

October 9, 2008

Utah Division of Oil, Gas and Mining P.O. Box 145801 1594 West North Temple, Suite 1210 Salt Lake City, Utah 84114-5801

5-13-46 BTR Tribal Surface/Tribal Minerals SWNW, Section 13-T4S-R6W Duchesne County, Utah

Diana Mason, Permitting - Petroleum Technician:

Haddock

Enclosed please find a copy of Bill Barrett Corporation's (BBC) application for permit to drill the above captioned well. Montgomery Archeological Consultants conducted a Class III archeological survey for this location and confirmed that "no historic properties affect" this location. The final report dated September 10, 2008 (MOCA Report No. 08-164) was submitted under a previous cover. EIS Environmental and Engineering Consulting conducted a "Threatened, Endangered, Candidate, and Sensitive Species Habitat Delineation Survey" on August 27 and 28, 2008. No endangered species were identified in this survey. A copy of this report was submitted under a previous cover.

Please contact me at (303) 312-8546 if you need anything additional or have any questions.

Sincerely,

Reed Haddock Permit Analyst

Enclosures

RECEIVED

OCT 1 4 2008

DIV. OF OIL, GAS & MINING

1099 18TH STREET
SUITE 2300
DENVER, CO 80202
P 303.293.9100
F 303.291.0420

Form 3160-3
(August 2007)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM	APPRO	VED
OMB N	To. 1004	-0137
Expires	July 31,	2010

5. Lease Serial No. BIA-EDA-2OG0005608

APPLICATION FOR PERMIT TO	DRILL OR	REENTER		ute Indian, Alloted ute Indian Tribe	e or thoe t	vame
la. Type of work:	ER			7 If Unit or CA Agi	eement, Na	me and No.
lb. Type of Well: Oil Well Gas Well Other	Sin	gle Zone 📝 Multip	ole Zone	8. Lease Name and # 5-13-46 BTR	Well No.	
Name of Operator Bill Barrett Corporation				9. API Well No. Pending <i>43</i> .	013-3	3 4115
^{3a.} Address 1099 18th Street, Suite 2300, Denver, CO 80202	3b. Phone No. (303) 312-8	(include area code) 3546		10. Field and Pool, or Altamont		
4. Location of Well (Report location clearly and in accordance with an	ty State requireme	ents.*)	-	11. Sec., T. R. M. or 1	Blk. and Sur	vey or Area
At surface 2153' FNL x 1039' FWL, Sec. 13, T4S, R6W				Sec. 13, T4S, R6V	V U.S.B.8	kM.
At proposed prod. zone 2153' FNL x 1039' FWL, Sec. 13, T	4S, R6W			SUNW		
14. Distance in miles and direction from nearest town or post office* Approximately 9.1 miles southwest of Duchesne, UT			-	12. County or Parish Duchesne		13. State UT
15. Distance from proposed* 1039' FWL property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No. of ac N/A	eres in lease	17. Spacin 640	g Unit dedicated to this	well	· .·
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed 7,961'	Depth		BIA Bond No. on file ide Bond # WYB00	0040	,
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approxin	nate date work will star	rt*	23. Estimated duration	on	
6404' Ungraded Ground	02/01/2009	9		45 days		
	24. Attac	hments				
The following, completed in accordance with the requirements of Onshor	re Oil and Gas (Order No.1, must be at	tached to the	is form:		·
 Well plat certified by a registered surveyor. A Drilling Plan. A Surface Use Plan (if the location is on National Forest System SUPO must be filed with the appropriate Forest Service Office). 	Lands, the	Item 20 above). 5. Operator certific	ation	ns unless covered by an		
25. Signature Haddock		(Printed/Typed) Haddock			Date 10/09/2	2008
Title Permit Analyst	garacan san	Make				
Approved by Signatures		(Printed/Typed) BRADLEY (Date	5-08
Title	Office	NVIRONMENTAL	MANAGE	ER ,		, , , , , , , , , , , , , , , , , , ,

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 2)

*(Instructions on page 2)

541182X 44425554 40.134210 -110.516615

Federal Approval of this Action is Necessary

RECEIVED OCT 1 4 2008 DIV. OF OIL, GAS & MINING

T4S, R6W, U.S.B.&M. S89°36'56"W - 2609.14' (Meas.) WEST - 2636.70' (G.L.O.) . Set Marked Stone Set Marked Stone 53 7 5280.00' (G.L.O.) #5-13-46 BTR 1039 Elev. Ungraded Ground = 6404' Set Marked Stone WEST - 5273.40' (G.L.O.)

LEGEND:

= 90° SYMBOL

= PROPOSED WELL HEAD.

= SECTION CORNERS LOCATED.

(NAD 83)

LATITUDE = $40^{\circ}08'02.97"$ (40.134158)

LONGITUDE = 110'31'02.15" (110.517264)

(NAD 27)

LATITUDE = $40^{\circ}08'03.12''$ (40.134200)

LONGITUDE = 110'30'59.59" (110.516553)

BILL BARRETT CORPORATION

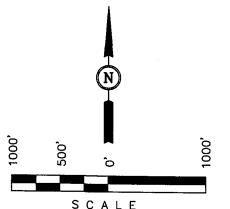
Well location, #5-13-46 BTR, located as shown in the SW 1/4 NW 1/4 of Section 13. T4S. R6W, U.S.B.&M., Duchesne County, Utah.

BASIS OF ELEVATION

BENCH MARK (M67) LOCATED IN THE SW 1/4 OF SECTION 9, T5S, R4W, U.S.B.&M., TAKEN FROM THE DUCHESNE SE QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED ON CAP AS BEING 6097 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



THIS IS TO CERTIFY THAT THE AND PHOARED FROM FIELD NOTES OF ACTUAL SURVEY SUPERVISION AND THAT THE BEST OF MY KNOWLEDGE AND

UINTAH ENGINEERING SURVEYING & LAND 85 SOUTH 200 EAST - VERNAL, UTAH 84078

(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: DATE DRAWN: 08-29-08 09-12-08		
D.R. D.S. S.L.	REFERENCES G.L.O. PLAT		
WEATHER HOT	FILE BILL BARRET	T CORPORATION	

HAZARDOUS MATERIAL DECLARATION

WELL NO. # 5-13-46 BTR - LEASE NO. BIA-EDA-2OG0005608

Bill Barrett Corporation guarantees that during the drilling and completion of the above referenced well, we will not use, produce, or store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Super Amendments and Reauthorization Act (SARA) of 1986.

Bill Barrett Corporation guarantees that during the drilling and completion of the above referenced well, we will use, produce, store, transport, or dispose less than the threshold planning quantity (TPQ) of any extremely hazardous substances as defined in 40 CFR 355.

DRILLING PLAN

BILL BARRETT CORPORATION # 5-13-46 BTR

SHL: SW/4 NW/4, 2153' FNL & 1039' FWL, Section 13-T4S-R6W BHL: SW/4 NW/4, 2153' FNL & 1039' FWL, Section 13-T4S-R6W

Surface Owner: Tribal Duchesne County, Utah

1 - 3. Estimated Tops of Geological Markers and Formations Expected to Contain Water, Oil and Gas and Other Minerals

<u>Formation</u>	Depth – MD
Green River	1,942'
Douglas Creek	4,640'
Black Shale	5,495'
Castle Peak	5,693'
Wasatch	6,231' *
TD	7,961'

^{*}PROSPECTIVE PAY

The Wasatch and the North Horn are primary objectives for oil/gas.

4. <u>Casing Program</u>

A) Planned Program

Hole	SETTING	G DEPTH	Casing	Casing	Casing		
Size	(FROM)	(TO)	Size	Weight	Grade	Thread	Condition
12 ½"	surface	2,000'	9 5/8"	36#	J or K. 55	ST&C	New
8 3/4"	surface	TD	5 ½"	17#	P-110	LT&C	New

For any liner ran BBC intends to have a minimum of 200' of liner overlap.

5. Cementing Program

A) Planned Program

9 5/8" Surface Casing	Approximately 470 sx Halliburton Light Premium with additives mixed at 12.7 ppg (yield = 1.82 ft ³ /sx) circulated to surface with 75% excess. Approximately 230 sx Halliburton Premium Plus cement with additives mixed at 15.8 ppg (yield = 1.20 ft ³ /sx).
5 ½" Production Casing	Approximately 290 sx Halliburton Hi-Fill Modified cement with additives mixed at 10.7 ppg (yield = 2.92 ft ³ /sx). Approximately 270 sx Halliburton Tuned Light RS-1 cement with additives mixed at 11.5 ppg (yield = 3.21 ft ³ /sx). Top of cement to be determined by log and sample evaluation; estimated TOC 2,000'.

6. Mud Program

<u>Interval</u>	<u>Weight</u>	<u>Viscosity</u>	Fluid Loss (API filtrate)	<u>Remarks</u>
40' - 2,000'	8.3 - 8.8	26 - 36	NC	Freshwater Spud Mud Fluid
				System
3,000' – TD	8.6 - 9.2	42-52	20 cc or less	DAP Polymer Fluid System

Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce torque and drag.

7. BOP and Pressure Containment Data

Depth Intervals	BOP Equipment				
0-2,000'	No pressure control required				
2,000' – TD	11" 5000# Ram Type BOP				
	11" 5000# Annular BOP				
- Drilling spool to a	accommodate choke and kill lines;				
- Ancillary and cho	ke manifold to be rated @ 5000 psi;				
- Ancillary equipment and choke manifold rated at 7,500 psi. All BOP and BOPE tests will be in					
accordance with the requirements of onshore Order No. 2;					
- The BLM and the	State of Utah Division of Oil, Gas and Mining will be notified 24 hours in				
advance of all BOP pressure tests.					
- BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up					
To operate most e	fficiently in this manner.				

8. Auxiliary Equipment

- a) Upper kelly cock; lower Kelly cock will be installed while drilling
- b) Inside BOP or stab-in valve (available on rig floor)
- c) Safety valve(s) and subs to fit all string connections in use
- d) Mud monitoring will be visually observed

9. Testing, Logging and Core Programs

Cores	None anticipated;
Testing	None anticipated; drill stem tests may be run on shows of interest;
Sampling	30' to 50' samples; surface casing to TD. Preserve samples all show intervals;
Surveys	MWD as needed to land wellbore;
Logging	DIL-GR-SP, FDC-CNL-GR-CALIPER-Pe-Microlog, Sonic-GR (all TD to surface).
	FMI & Sonic Scanner to be run at geologist's discretion.

If BBC pursues the "Alternate" program, a suite of the above logs will be run on both the intermediate and production hole sections.

10. Anticipated Abnormal Pressures or Temperatures

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 3972 psi* and maximum anticipated surface pressure equals approximately 2146 psi** (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

*Max Mud Wt x 0.052 x TD = A (bottom hole pressure)

**Maximum surface pressure = $A - (0.22 \times TD)$

11. Location and Type of Water Supply

Water for the drilling and completion will be trucked from the Duchesne City Culinary Water Dock located in Sec. 1, T4S, R5W.

12. Drilling Schedule

Location Construction:

Approximately December 1, 2008

Spud: Duration:

Approximately February 1, 2009 30 days drilling time

45 days completion time

5-13-46 BTR Proposed Cementing Program

Job Recommendation		Su	rface Casing
Lead Cement - (1500' - 0')			
Halliburton Light Premium	Fluid Weight:	12.7	lbm/gal
1.0% Calcium Chloride	Slurry Yield:	1.82	ft ³ /sk
0.125 lbm/sk Ploy-E-Flake	Total Mixing Fluid:	9.72	Gal/sk
	Top of Fluid:	0'	
	Calculated Fill:	1,500'	
	Volume:	146.41	bbl
	Proposed Sacks:	470	sks
Tail Cement - (TD - 1500')			
Premium Cement	Fluid Weight:	15.8	lbm/gal
2.0% Calcium Chloride	Slurry Yield:	1.20	ft ³ /sk
0.125 lbm/sk Ploy-E-Flake	Total Mixing Fluid:	5.238	Gal/sk
	Top of Fluid:	1,500'	
	Calculated Fill:	500'	
	Volume:	48.80	bbl
	Proposed Sacks:	230	sks

Job Recommendation	mmendation Production Cas		
Lead Cement - (4995' - 2000')			
Halliburton Hi-Fill Modified	Fluid Weight:	10.7	lbm/gal
0.2% HR-5	Slurry Yield:	2.92	ft ³ /sk
0.25 lbm/sk Poly-E-Flake	Total Mixing Fluid:	17.26	Gal/sk
5.0 lbm/sk Gilsonite	Top of Fluid:	2,000'	
	Calculated Fill:	2,995'	
	Volume:	148.20	bbl
	Proposed Sacks:	290	sks
Tail Cement - (7961' - 4995')			
Halliburton Tuned Light RS-1	Fluid Weight:	11.5	lbm/gal
0.2% Super CBL	Slurry Yield:	3.21	ft ³ /sk
0.2% HR-5	Total Mixing Fluid:	18.56	Gal/sk
•	Top of Fluid:	4,995'	
	Calculated Fill:	2,966'	
	Volume:	146.78	bbl
	Proposed Sacks:	270	sks

Well name:

BTR General

Operator:

Bill Barrett Corporation

String type:

Surface

Design is based on evacuated pipe.

Location:

Duchesne County, UT

Design parameters:

Collapse

Mud weight:

8.90 ppg

Minimum design factors:

Collapse:

Design factor

Environment: H2S considered?

Surface temperature:

No 70.00 °F

Bottom hole temperature:

94 °F

Temperature gradient: Minimum section length: 1.22 °F/100ft

1,500 ft

Burst:

Design factor

1.00

1.125

Cement top:

Surface

Burst

Max anticipated surface

No backup mud specified.

pressure:

911 psi 0.22 psi/ft

Internal gradient: Calculated BHP

1,351 psi

Tension:

8 Round STC:

8 Round LTC:

1.80 (J) Buttress: Premium:

Body yield:

1.80 (J) 1.80 (B)

1,737 ft

1.80 (J) 1.80 (J)

Tension is based on buoyed weight.

Neutral point:

Re subsequent strings: Next setting depth:

Non-directional string.

Next mud weight:

Next setting BHP:

Fracture mud wt:

5,231 psi 13.000 ppg 2,000 ft 1,351 psi

9,500 ft

10.600 ppg

Fracture depth: Injection pressure

Nominal End True Vert Measured Drift Internal Run Segment Diameter Capacity Length Size Weight Grade Finish Depth Depth Seq (ft³) (ft) (ft) (in) (lbs/ft) (ft) (in) 2000 2000 8.796 142.4 2000 9.625 36.00 J-55 ST&C 1 Tension Collapse Collapse Collapse Burst Burst **Burst** Tension Tension Run Strength Design Strength Design Load Seq Load Strength Design Load (Kips) Factor Factor (psi) Factor (Kips) (psi) (psi) (psi) 3520 2.61 394 6.30 J 925 2020 2.185 1351 1

Prepared Dominic Spencer by: Bill Barrett

Phone: (303) 312-8164 FAX: (303) 291-0420

Date: September 2,2008 Denver, Colorado

Collapse is based on a vertical depth of 2000 ft, a mud weight of 8.9 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:

BTR General

Operator:

Bill Barrett Corporation

String type:

Production

Location:

Duchesne County, UT

Design parameters:

Collapse

Mud weight:

10.60 ppg

Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor

1.125

H2S considered? Surface temperature:

Environment:

Bottom hole temperature:

Temperature gradient:

186 °F 1.22 °F/100ft

No 70.00 °F

Minimum section length:

1,500 ft

Burst:

Design factor

1.00

1.80 (J) 1.80 (J) Cement top:

2,000 ft

Burst

Max anticipated surface

No backup mud specified.

pressure:

3,141 psi 0.22 psi/ft

Internal gradient: Calculated BHP

5,231 psi

Tension:

8 Round STC: 8 Round LTC:

Buttress:

Premium:

Body yield:

1.80 (J) 1.80 (B)

Non-directional string. 1.80 (J)

Tension is based on buoyed weight. Neutral point: 7,973 ft

Run Segment Nominal End True Vert Measured Drift Internal Seq Length Size Weight Grade Finish Depth Depth Diameter Capacity (ft³) (ft) (in) (lbs/ft) (ft) (ft) (in) 327.4 9500 17.00 P-110 LT&C 9500 9500 4.767 5.5 1 Run Collapse Collapse Collapse Burst Burst Burst Tension Tension Tension Design Strength Design Seq Load Strength Design Load Strength Load Factor Factor (Kips) (Kips) Factor (psi) (psi) (psi) (psi) 10640 2.03 3.28 J 5231 7480 1.430 5231 1

Prepared Dominic Spencer by: Bill Barrett

Phone: (303) 312-8164 FAX: (303) 291-0420

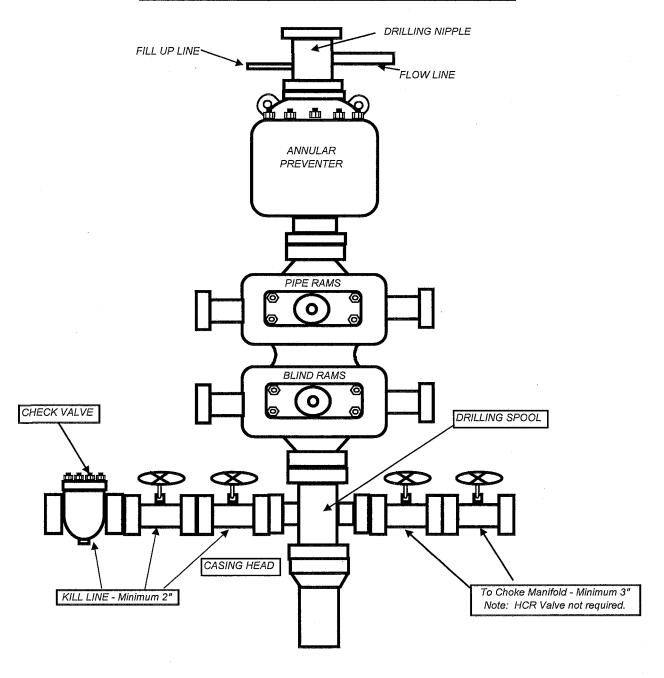
Date: September 2,2008 Denver, Colorado

Collapse is based on a vertical depth of 9500 ft, a mud weight of 10.6 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

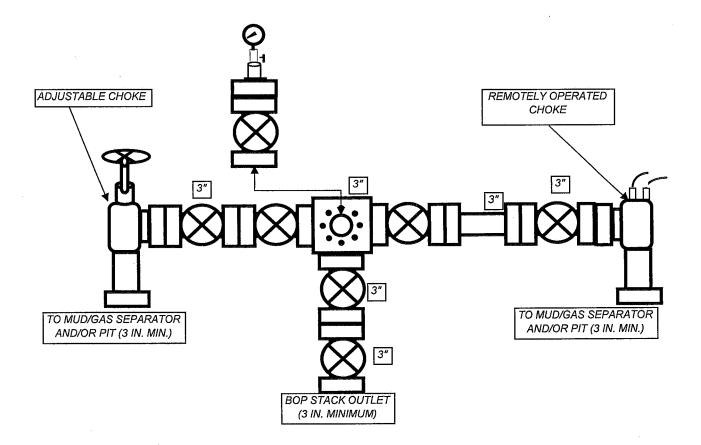
BILL BARRETT CORPORATION

TYPICAL 5,000 p.s.i. BLOWOUT PREVENTER



BILL BARRETT CORPORATION

TYPICAL 5,000 p.s.i. CHOKE MANIFOLD



Surface Use Plan for Bill Barrett Corporation's Development Program Black Tail Ridge Area Duchesne County, Utah

1. Existing Roads:

The Black Tail Ridge Areas are located approximately 12 miles Southwest of Duchesne, Utah and extend from Township 3 South, Range 5 West, Range 6 West, and Range 7 West and the North ½ of Township 4 South, Range 5 West, Range 6 West, and Range 7 West. The specific location of a particular well pad will be shown on maps and described in the site specific APD.

The use of state and county roads under UDOT and Duchesne County Road Department maintenance is necessary to access the Project Area. Improvements to existing access roads will be noted in the site specific APD's.

2. Planned Access Roads:

Descriptions of the individual access road(s) will be included in the site specific APD and ROW application.

Surface disturbance and vehicular traffic will be limited to the approved location and approved access route. Any additional area needed will be approved in advance with the UDWR.

3. Location of Existing Wells With-In A One-Mile Radius

Water wells – None.
Abandoned wells – (2) SW/4, Sec. 13, T4S, R6W
NE/4, Sec. 23, T4S, R6W
Temporarily abandoned wells – None.
Disposal wells – None.
Drilling wells – None.
Producing wells – None.
Shut-In wells – (1) NE/4, Sec. 14, T4S, R6W

4. <u>Location of Tank Batteries, Production Facilities, and Production Gathering</u> <u>And Service Lines:</u>

The following guidelines will apply if the well is productive:

All permanent (on site for six months or longer) structures constructed or installed will conform to DOGM standards. All facilities will be painted within six months of installation.

A containment dike will be constructed completely around production facilities which contain fluids (i.e., production tanks, produced water tanks). This dike will be constructed of compacted subsoil, be impervious, and hold a minimum of 110% of the capacity of the largest tank. Topsoil will not be used for the construction of dike(s).

A description of the proposed pipeline and a map illustrating the proposed route will be submitted with the well site specific APD.

5. Location and Type of Water Supply

The Duchesne City Culinary Water Dock located in section 1, T4S-R5W will be used for water supply for drilling and completion operations. Additional water supply sources will be addressed in the site specific APD, indicating the location and type of water supply.

6. Source of Construction Materials:

All construction materials for this location site and access road shall be borrowed (local) material accumulated during construction of the location site and access road. No construction materials will be removed from UDWR lands. If any gravel is used, it will be obtained from an approved gravel pit.

7. Methods of Handling Waste Materials:

Drill cuttings will be contained and buried in the reserve pit.

Drilling fluids, including any salts and chemicals, will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be used at the next drill site or will be removed and disposed of at an approved waste disposal facility within 180 days after drilling is terminated. Immediately upon well completion, any hydrocarbons in the pit shall be removed.

Unless otherwise specified in the site specific APD, the reserve pit will be constructed on the location and will not be located within natural drainages, where a flood hazard exists or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not allow discharge of liquids.

If it is determined, at the onsite, that a pit liner is necessary, the reserve pit will be lined with a synthetic reinforced liner a minimum of 12-millimeters thick. The liner will overlay a felt-liner pad if rock that might tear or puncture the liner is encountered during excavation. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. Trash, scrap pipe, etc. that could puncture the liner will not be disposed of in the pit. Pit walls will be sloped no greater than 2:1. A minimum 2-foot freeboard will be maintained in the pit at

all times during the drilling and completion operations. The pit liner will be protected during drilling and completion operations.

No water well will be drill on this lease. Water for the drilling and completion will be trucked from the Duchesne City Culinary Water Dock located in Sec. 1, T4S, R5W. The trucked water will follow the access route described in the plat package of each APD. Production fluids will be contained in leak-proof tanks. All production fluids will be sold, recycled, or disposed of at approved disposal sites.

Any spills of oil, gas, salt water, or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

A chemical self-contained sanitary-toilet will be onsite during drilling and completions.

Garbage, trash, and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. Trash will not be burned on location.

All debris and other waste materials not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig.

Any open pits will be fenced during the operations. The reserve pit fencing will be on three sides before drilling operations start. The fourth side will be fenced as soon as drilling is completed and the rig is removed. The fencing will be maintained until such time as the pits are backfilled.

8. Ancillary Facilities:

Garbage containers and portable toilets are the only ancillary facilities proposed. No additional ancillary facilities are foreseen in the future.

9. Wellsite Layout:

A Location Layout Diagram describing drill pad cross-sections, cuts and fills, and locations of mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and the surface materials stockpile(s) will be included with the site specific APD and developed through a consultant.

10. Plans for Restoration of the Surface:

The dirt contractor will be provided with an approved copy of the surface use plan and these Standard Operating Procedures prior to commencing construction activities.

') .

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, materials, trash, and debris not required for production. All reclamation standards will be developed between Bill Barrett Corporation (BBC) and UDWR. Abandoned well sites, roads, and other disturbed areas will be restored as near as practical to their original condition. Where applicable, these conditions may include the re-establishment of irrigation systems, the re-establishment of appropriate soil conditions, and the re-establishment of vegetation as specified.

All disturbed areas will be recontoured to the approximate natural contours.

Any drainage rerouted during the construction activities shall be restored as near as possible to its original line of flow.

Prior to backfilling the reserve pit, the fence surrounding the reserve pit will be removed. The pit liner will be cut off at the water or mud line and disposed of at an approved landfill site. The remaining liner will be torn and perforated after the pit dries and prior to backfilling the reserve pit.

Before any dirt work associated with reserve pit restoration takes place, the reserve pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations. The reserve pit will be reclaimed within 180 days from the date of well completion, weather permitting, unless it is determined that this location will be utilized to drill additional wells within 1 year of completing operations.

After the reserve pit has been reclaimed, diversion ditches and water bars will be used to divert precipitation runon/runoff as appropriate.

Prior to the construction of the location, the top 6 inches or maximum available topsoil material will be stripped and stockpiled. Placement of the topsoil will be noted on the location plat attached to the site specific APD. Topsoil shall be stockpiled separately from subsoil materials. Topsoil salvaged from the reserve pit shall be stockpiled separately near the reserve pit. When all drilling and completion activities have been completed, the unused portion of the location (area outside the deadmen) will be recontoured and the stockpiled topsoil spread over the area.

If topsoil must be stored for more than one year:

It shall be windrowed on the uphill side of the location to prevent any possible contamination. All topsoil will be stockpiled for reclamation in such a way as to prevent soil loss and contamination.

It shall be broadcast seeded with the prescribed seed mixture immediately after windrowing. Seed will be drilled on the contour to an appropriate depth and the stockpile then "walked" with a dozer to cover the seed and roughen the soil to prevent erosion.

Mulching may be considered to enhance the re-establishment of desired native plant communities. If straw or hay mulch is used, the straw and hay must be certified to be weed-free and the documentation submitted prior to usage.

When restoration activities have been completed, the location site and new access road cuts and shoulders shall be reseeded. Prior to reseeding, all disturbed areas, including the old access road will be scarified and left with a rough surface.

UDWR shall be contacted for the required seed mixture. Seed will be drilled on the contour to an appropriate depth. If broadcast seeded, the amount of seed mixture per acre will be doubled, and a harrow or some other implement will be dragged over the seeded area to assure coverage of the seeds.

At final abandonment, BBC will follow UT-DOGM standards for final well abandonment.

11. Surface Ownership

The well location and proposed access road route is located on The Ute Indian Tribe surface estate.

I hereby certify that Bill Barrett Corporation has reached an agreement with The Ute Indian Tribe for the protection of surface resources and reclamation of disturbed areas and/or damages in lieu thereof.

Reed Haddock – Permit Analyst

Bill Barrett Corporation

12. Other Information:

The operator is fully responsible for the actions of its subcontractors. A copy of these conditions will be furnished to the BBC field representative to ensure compliance.

The operator will control noxious weeds along applied access road authorizations, pipeline route authorizations, well sites or other applicable facilities

Wells drilled during the fire season (June – October) all appropriate precautions shall be instituted to ensure that fire hazard is minimized, including, but not limited to, controlling vegetation and keeping fire fighting equipment readily available during all drilling and completion operations.

Drilling rigs and/or equipment used during drilling operations on locations will not be stacked or stored on UDWR administered lands after the conclusion of drilling operations or at any other time without permission by the UDWR. If UDWR permission is obtained, such storage will only be temporary measure.

Travel will be restricted to approved travel routes.

OPERATOR CERTIFICATION

This drilling permit will be valid for a period of two (2) years from the date of approval. After permit termination, a new application will be filed for approval for any future operations.

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with operations proposed herein will be performed by Bill Barrett Corporation and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

DATE: September 1, 2008

Reed Haddock Permit Analyst

BBC Representatives:

Reed Haddock Bill Barrett Corporation 1099 18th Street, Suite 2300 Denver, CO 80202

Phone: 303-312-8546 Fax: 303-291-0420

Scot Donato, Environmental Health and Safety; phone: (303) 312-8191 Mike Angus, Area Superintendent; phone: (435) 724-8016

UDWR Representatives:

Ben Williams, UDWR, Wildlife Resources; phone: (435) 781-5357 Bill James, UDWR, Wildlife Resources, Manager; phone: (801) 538-4745

BILL BARRETT CORPORATION #5-13-46 BTR SECTION 13, T4S, R6W, U.S.B.&M.

PROCEED IN A SOUTHERLY, THEN SOUTHWESTERLY DIRECTION FROM DUCHESNE, APPROXIMATELY 3.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; TURN RIGHT AND PROCEED IN A WESTERLY DIRECTION APPROXIMATELY 2.5 MILES TO THE JUNCITON OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; TURN RIGHT AND PROCEED IN A WESTERLY, THEN NORTHWESTERLY DIRECTION APPROXIMATELY 2.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN RIGHT AND PROCEED IN A NORTHERLY, THEN NORTHEASTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE SOUTHEAST; FOLLOW ROAD FLAGS IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM DUCHESNE, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 9.1 MILES.

BILL BARRETT CORPORATION

#5-13-46 BTR

LOCATED IN DUCHESNE COUNTY, UTAH SECTION 13, T4S, R6W, U.S.B.&M.

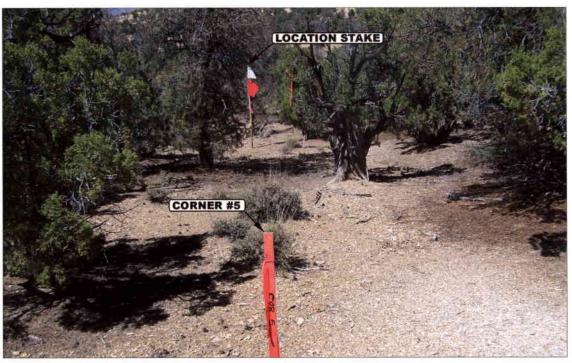


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHWESTERLY

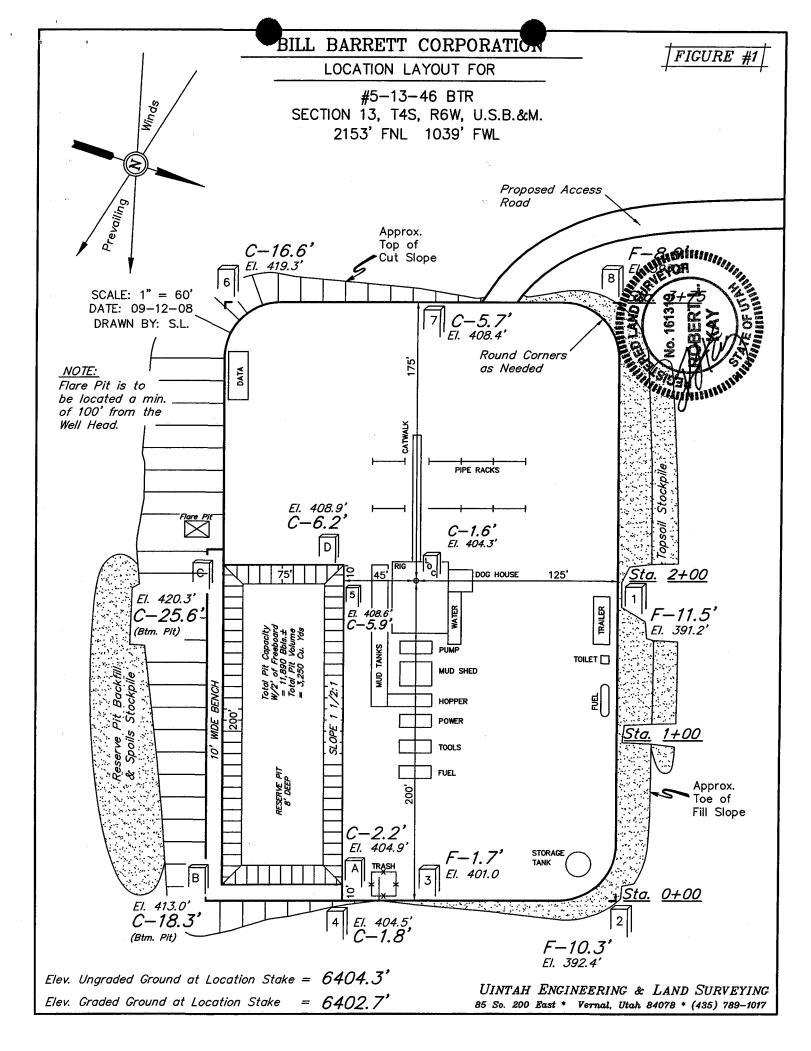


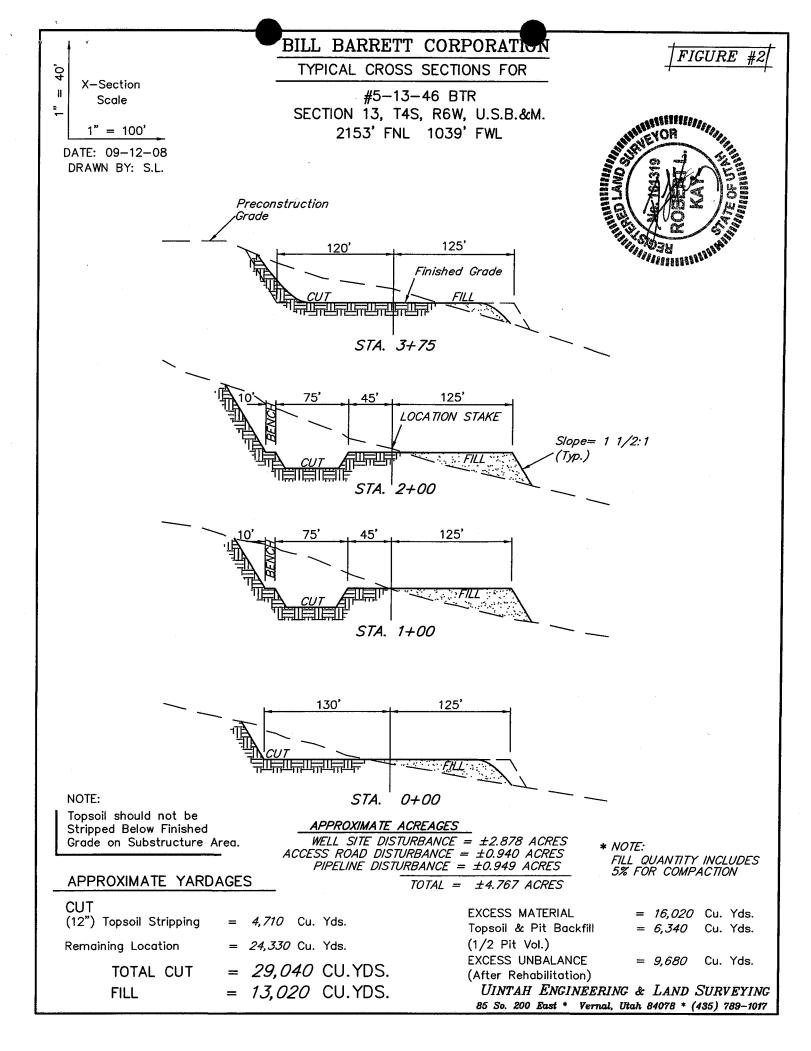
PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

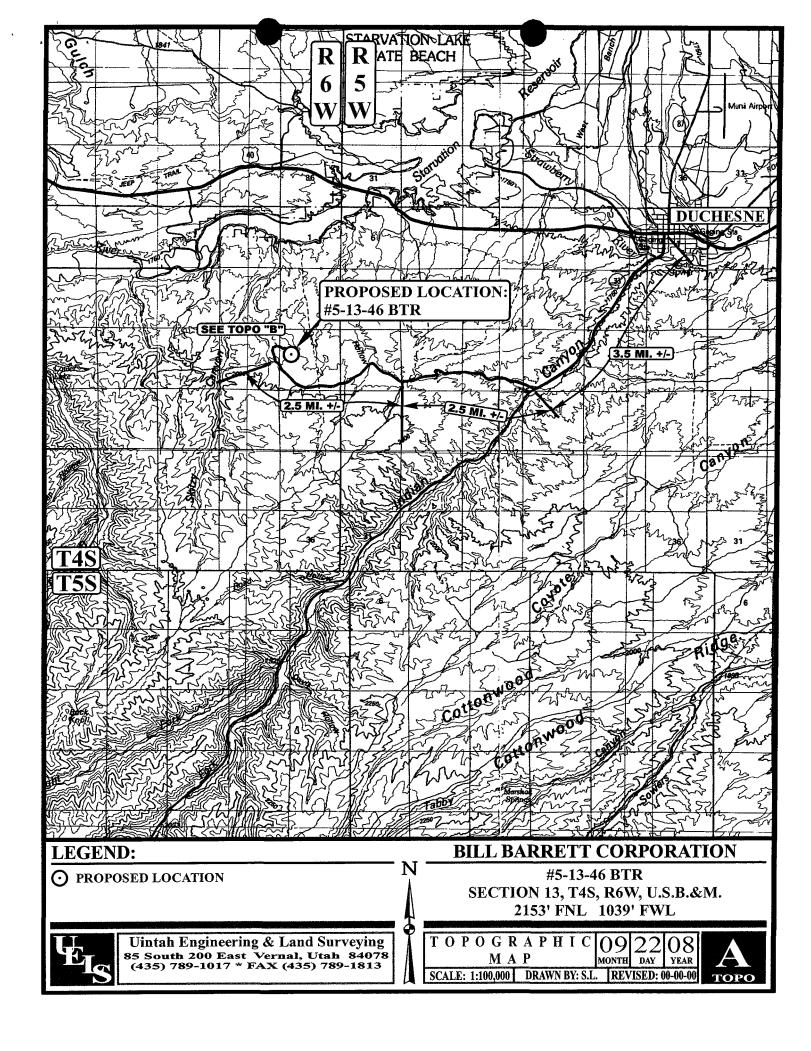
CAMERA ANGLE: SOUTHEASTERLY

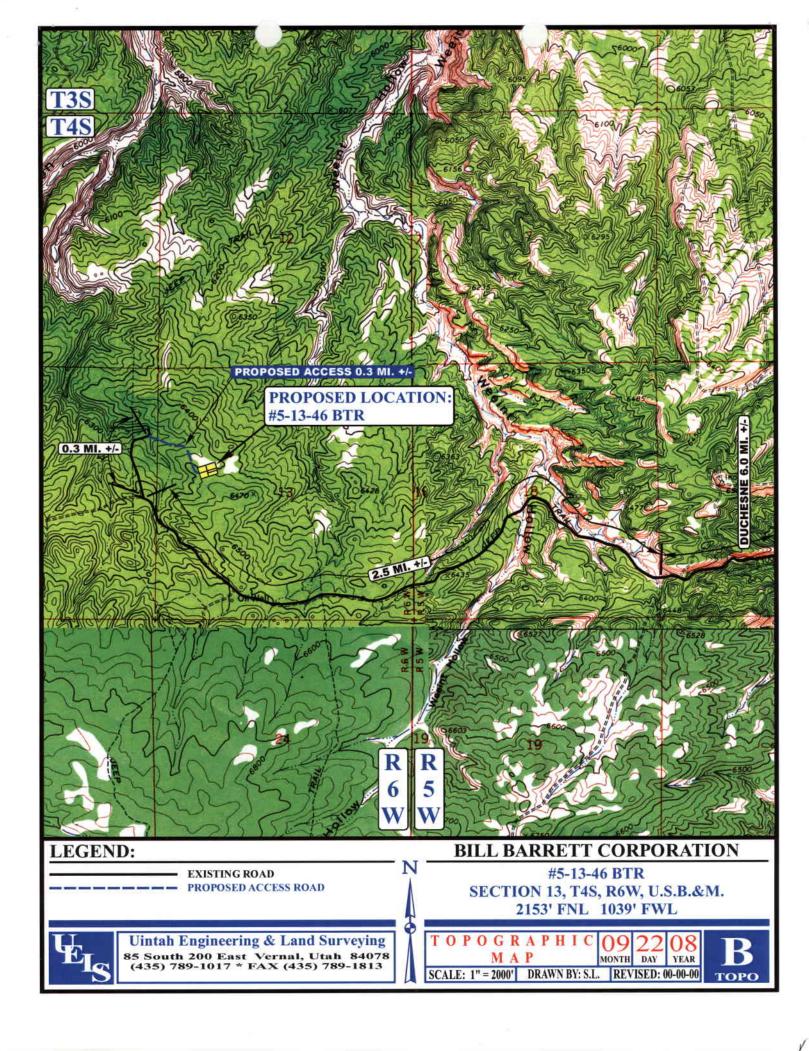


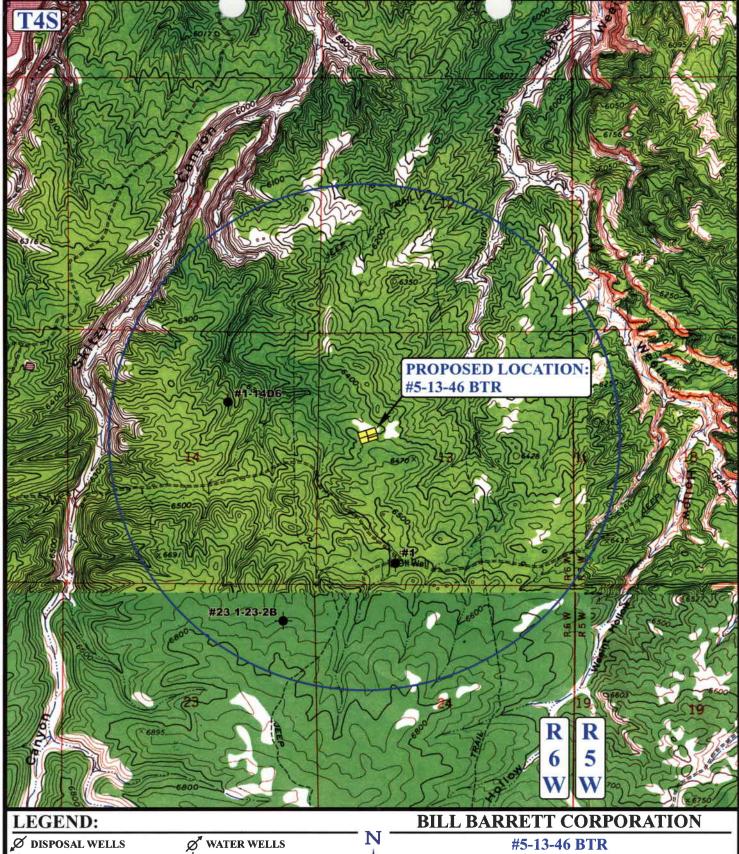
LOCATION PHOTOS		09 MONTH	22 DAY	08 YEAR	рното
TAKEN BY: D.S.	DRAWN BY: S.L	. REV	ISED: (0-00-00	











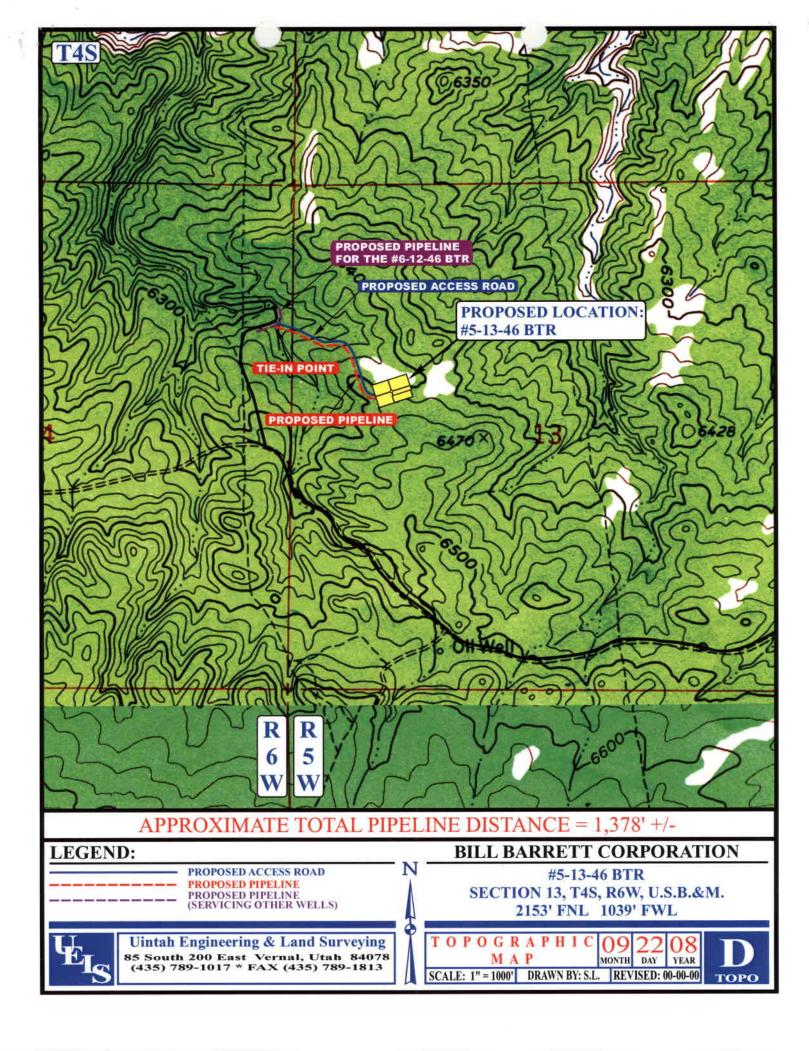
- PRODUCING WELLS
- SHUT IN WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED

Uintah Engineering & Land Surveying 85 South 200 East Vernal, Utah 84078 (435) 789-1017 * FAX (435) 789-1813

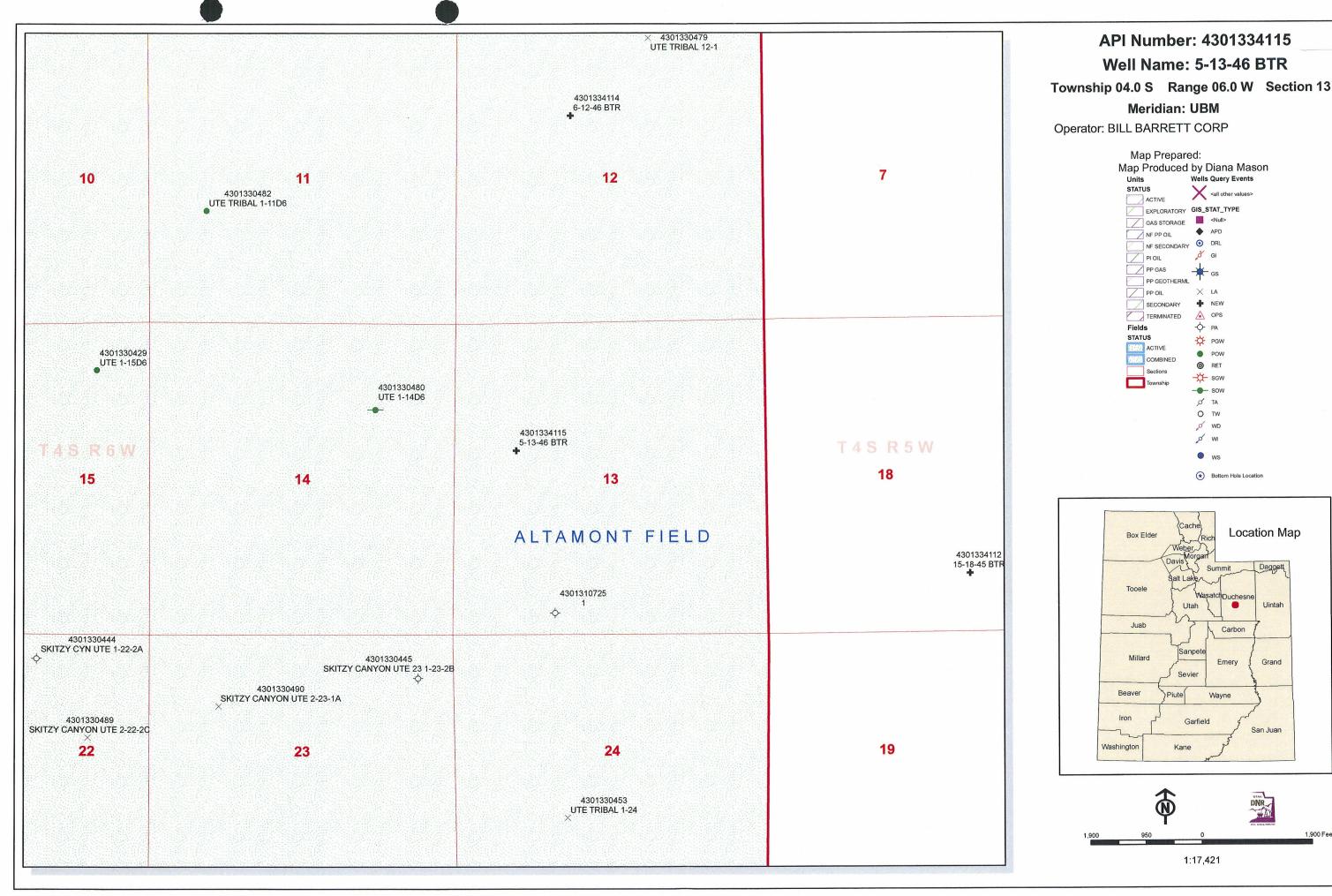
#5-13-46 BTR SECTION 13, T4S, R6W, U.S.B.&M. 2153' FNL 1039' FWL

T O P O G R A P H I C O 20 08 WONTH DAY YEAR SCALE: 1" = 2000' DRAWN BY: S.L. REVISED: 00-00-00





APD RECEIVED: 10/14/2008	API NO. ASSIGNED: 43-013-34115
WELL NAME: 5-13-46 BTR OPERATOR: BILL BARRETT CORP (N2165) CONTACT: REED HADDOCK	PHONE NUMBER: 303-312-8546
PROPOSED LOCATION:	INSPECT LOCATN BY: / /
SWNW 13 040S 060W	Tech Review Initials Date
SURFACE: 2153 FNL 1039 FWL BOTTOM: 2153 FNL 1039 FWL	Engineering
COUNTY: DUCHESNE	Geology
LATITUDE: 40.13421 LONGITUDE: -110.5166	
UTM SURF EASTINGS: 541182 NORTHINGS: 444255 FIELD NAME: ALTAMONT (55)	Surface
LEASE NUMBER: 20G0005608 SURFACE OWNER: 2 - Indian	PROPOSED FORMATION: WSTC COALBED METHANE WELL? NO
Plat Bond: Fed[] Ind[2] Sta[] Fee[] (No. WYB000040)	LOCATION AND SITING: R649-2-3. Unit:
N Potash (Y/N)	R649-3-2. General
Oil Shale 190-5 (B) or 190-3 or 190-13 Water Permit	Siting: 460 From Qtr/Qtr & 920' Between Wells R649-3-3. Exception
(No. MUNICIPAL)	-
RDCC Review (Y/N)	Drilling Unit Board Cause No: 13442
(Date:)	Eff Date: 4-12-1985
Fee Surf Agreement (Y/N)	Siting: lele O'W cent uBdry F 1320 & Beer well
1009 Intent to Commingle (Y/N)	R649-3-11. Directional Drill
COMMENTS:	
STIPULATIONS: Leden	Dy princ

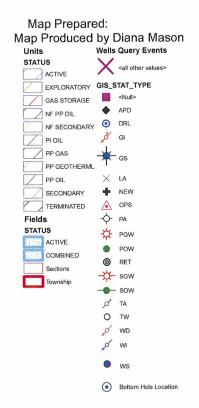


API Number: 4301334115

Well Name: 5-13-46 BTR

Meridian: UBM

Operator: BILL BARRETT CORP









State of Utah DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER Executive Director

Division of Oil Gas and Mining

JOHN R. BAZA
Division Director

October 15, 2008

Bill Barrett Corporation 1099 18th St., Ste. 2300 Denver, CO 80202

Re:

5-13-46 BTR Well, 2153' FNL, 1039' FWL, SW NW, Sec. 13, T. 4 South, R. 6 West,

Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-34115.

Sincerely,

Gil Hunt

Associate Director

pab Enclosures

cc:

Duchesne County Assessor

Bureau of Land Management, Vernal Office



Operator:	Bill Barrett Corpo	oration	
Well Name & Number	5-13-46 BTR		
API Number:	43-013-34115		
Lease:	2OG0005608		
Location: SW NW	Sec. 13	T. 4 South	R. 6 West

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division with 24 hours of spudding the well.

• Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

• Contact Dustin Doucet at (801) 538-5281 office (801) 733-0983 home

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

Form 3160 - 3 (August 2007)

UNITED STATES RECEIVED DEPARTMENT OF THE INTERIOR FIELD OFFICE BUREAU OF LAND

FORM APPROVED OMB No. 1004-0137 Expires July 31, 2010

5.	Lease Serial No.
BIA-	-EDA-2OG0005608

BUREAU OF LAND M	ANAGEMENT	•		BIA-EDA-20G00056	308	•	
APPLICATION FOR PERMIT T	OBRILL O	REENTER 2	2	6. If Indian, Allotee of ute Indian Tribe	r Tribe Nan	ne	
la. Type of work: DRILL REE	NTEREFT OF BUREAU	THE INTERIC OF LAND MG	AT	7. If Unit or CA Agree N/A		and No.	
lb. Type of Well: Oil Well Gas Well Other		ngle Zone 🚺 Multip		8. Lease Name and W # 5-13-46 BTR	ell No.		
2. Name of Operator Bill Barrett Corporation				9. API Well No. -Pendin g 43-0	v2-a	W/4°	
3a. Address 1099 18th Street, Suite 2300, Denver, CO 80202	3b. Phone No (303) 312-	. (include area code) 8546		10. Field and Pool, or Ex		m y	_
4. Location of Well (Report location clearly and in accordance with	h arty State requiren	nents.*)		11. Sec., T. R. M. or Bl	c. and Surve	y or Area	
At surface 2153' FNL x 1039' FWL, Sec. 13, T4S, R6	w SWNO	ω		Sec. 13, T4S, R6W	U.S.B.&M		
At proposed prod. zone 2153' FNL x 1039' FWL, Sec. 13	3. T4S. R6W						
14. Distance in miles and direction from nearest town or post office*				12. County or Parish	13	3. State	
Approximately 9.1 miles southwest of Duchesne, UT				Duchesne	บ	IT	
15. Distance from proposed* 1039' FWL property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No. of a N/A	cres in lease	17. Spacir 640	acing Unit dedicated to this well			
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed	d Depth	20. BLM/BIA Bond No. on file Nationwide Bond # WYB000040				
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	1	mate date work will sta	rt*	23. Estimated duration			
6404' Ungraded Ground	02/01/200	9		45 days			
	24. Attac	chments					
The following, completed in accordance with the requirements of On	shore Oil and Gas	Order No.1, must be a	ttached to th	is form:			
Well plat certified by a registered surveyor. A Drilling Plan.		4. Bond to cover t Item 20 above).	he operatio	ns unless covered by an e	xisting bon	d on file	(see
 A Surface Use Plan (if the location is on National Forest Syst SUPO must be filed with the appropriate Forest Service Office). 		5. Operator certific 6. Such other site BLM.		ormation and/or plans as i	nay be requ	ired by th	he
25. Signature	B	(Printed/Typed) Haddock		1	Date 10/09/200	===== 08	
Title			-				
Permit Analyst							
Approved by (Signature)	Name	(Printed/Typed)			DatAPR	27	21
ly Parish	Office	TELL /EUR	SUA		1111	4	_2(
ide YSYSTAAT FYAD Manage. LAKE & Mineral Baselusses	1	/ERNAL FIE	LD OF				
Application approval does not warrant or certify that the applicant londuct operations thereon. Conditions of approval, if any, are attached.	nolds legal or equi	table title to those righ	its in the sub	ject lease which would en	title the app	licant to	
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it states any false, fictitious or fraudulent statements or representations	a crime for any p as to any matter v	erson knowingly and vithin its jurisdiction.	willfully to n	nake to any department or	agency of	he Unite	d
(Continued on page 2)				*(Instr	uctions o	n page	2)
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DIV. OF OIL, GAS & MINING





UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT VERNAL FIELD OFFICE

VERNAL FIELD OFFICE
VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Well No: API No: Bill Barrett Corporation

5-13-46 BTR 43-013-34115 Location: Lease No: SWNW, Sec.13, T4S,R6W BIA EDA 20G0005608

Agreement:

N/A

Title Petroleum Engineer: Petroleum Engineer: Petroleum Engineer: Supervisory Petroleum Technician: Supervisory NRS: NRS/Enviro Scientist:	Name Matt Baker Michael Lee Ryan Angus Jamie Sparger Karl Wright Holly Villa James Hereford Chuck Macdonald Dan Emmett Paul Percival Anna Figueroa Verlyn Pindell Nathan Packer	Office Phone Number (435) 781-4490 (435) 781-4432 (435) 781-4430 (435) 781-4502 (435) 781-4484 (435) 781-3412 (435) 781-3412 (435) 781-3414 (435) 781-3407 (435) 781-3402 (435) 781-3405	Cell Phone Number (435) 828-4470 (435) 828-7875 (435) 828-7368 (435) 828-3913 (435) 828-3544 (435) 828-3546 (435) 828-7481 (435) 828-7481 (435) 828-7381 (435) 828-3548 (435) 828-3547 (435) 828-3545
			, ,

Fax: (435) 781-3420

A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.

NOTIFICATION REQUIREMENTS

Construction Activity	 The Ute Tribe Energy & Minerals Dept. shall be notified in writing 48 hours in advance of any construction activity. The Ute Tribal office is open Monday through Thursday.
Construction Completion	 Upon completion of the pertinent APD/ROW construction, notify the Ute Tribe Energy & Minerals Dept. for a Tribal Technician to verify the Affidavit of Completion.
Spud Notice (Notify Petroleum Engineer)	- Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	 Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	 Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

Page 2 of 7 Well: 5-13-46 BTR 4/20/2009

SURFACE USE PROGRAM CONDITIONS OF APPROVAL (COAs)

- A <u>2403.31' by 30'</u> foot corridor right-of-way shall be approved. Upon completion of each pipeline in corridor, they shall be identified and filed with the Ute Tribe.
- A qualified Archaeologist accompanied by a Tribal Technician will monitor trenching construction of pipeline.
- The Ute Tribe Energy & Minerals Department is to be notified, in writing 48 hours prior to construction of pipeline.
- Construction Notice shall be given to the department on the Ute Tribe workdays, which are Monday through Thursday. The Company understands that they may be responsible for costs incurred by the Ute Tribe after hours.
- The Company shall inform contractors to maintain construction of pipelines within the approved ROW's.
- The Company shall assure the Ute Tribe that "ALL CONTRACTORS, INCLUDING SUB-CONTRACTORS, LEASING CONTRACTORS, AND ETC." have acquired a current and valid Ute Tribal Business License and have "Access Permits" prior to construction, and will have these permits in all vehicles at all times.
- You are hereby notified that working under the "umbrella" of a company does not allow you to be in the field, and can be subject to those fines of the Ute Tribe Severance Tax Ordinance.
- Any deviation of submitted APD's and ROW applications the Companies will notify the Ute Tribe and BIA in writing and will receive written authorization of any such change with appropriate authorization.
- The Company will implement "Safety and Emergency Plan." The Company's safety director will ensure its compliance.
- All Company employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APD's and/or ROW permits/authorizations on their person(s) during all phases of construction.
- All vehicular traffic, personnel movement, construction/restoration operations should be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.
- All personnel should refrain from collecting artifacts, any paleontological fossils, and from disturbing any significant cultural resources in the area.
- The personnel from the Ute Tribe Energy & Minerals Department should be notified should cultural remains from subsurface deposits be exposed or identified during construction. All construction will cease.

Page 3 of 7 Well: 5-13-46 BTR 4/20/2009

- All mitigative stipulations contained in the Bureau of Indian Affairs Site Specific Environmental Assessment (EA) will be strictly adhered.
- Upon completion of Application for Corridor Right-Way, the company will notify the Ute Tribe Energy & Minerals Department, so that a Tribal Technician can verify Affidavit of Completion.

Page 4 of 7 Well: 5-13-46 BTR 4/20/2009

DOWNHOLE PROGRAM CONDITIONS OF APPROVAL (COAs)

SITE SPECIFIC DOWNHOLE COAs:

 Production casing cement shall be brought up and into the surface casing. The minimum cement top is 400 ft above the surface casing shoe. Production casing minimum cement top is 0400 ft.

COA specification exceeds operators performance standard for top of cement (toc) stated in APD.

- A cement Bond Log (CBL) shall be run from the production casing shoe to the top of cement. A
 field copy of the CBL shall be submitted to the BLM Vernal Field Office.
- Logging: A Gamma Ray well Log shall be run from the well Total Depth to the surface.
 A copy of the Gamma Ray well Log shall be submitted to the BLM Vernal Field Office.
- All blow back fluids from completion operations shall be contained in such a manner that no oil reaches the reserve pit.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the
 daily drilling report. Components shall be operated and tested as required by Onshore Oil &
 Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be
 performed by a test pump with a chart recorder and <u>NOT</u> by the rig pumps. Test shall be
 reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.

Page 5 of 7 Well: 5-13-46 BTR 4/20/2009

- Cement baskets shall not be run on surface casing.
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water
 is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM
 Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM,
 Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum
 Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

Page 6 of 7 Well: 5-13-46 BTR 4/20/2009

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be
 notified when it is placed in a producing status. Such notification will be by written
 communication and must be received in this office by not later than the fifth business day
 following the date on which the well is placed on production. The notification shall provide, as a
 minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location (¼¼, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - o The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or

Page 7 of 7 Well: 5-13-46 BTR 4/20/2009

data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field
 Office Petroleum Engineers will be provided with a date and time for the initial meter calibration
 and all future meter proving schedules. A copy of the meter calibration reports shall be
 submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API
 standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All
 measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted
 to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs
 first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be
 adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively
 sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover
 equipment shall be removed from a well to be placed in a suspended status without prior
 approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30
 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given
 before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES	FORM 9
DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER: BIA-EDA-20G0005608
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE INDIAN TRIBE
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	7. UNIT OF CA AGREEMENT NAME: N/A
1. TYPE OF WELL OIL WELL GAS WELL OTHER	8, WELL NAME and NUMBER: #5-13-46 BTR
2. NAME OF OPERATOR: BILL BARRETT CORPORATION	9. API NUMBER: 4301334115
3. ADDRESS OF OPERATOR: 1099 18TH Street, Ste 2300 CITY Denver STATE CO ZIP 80202 PHONE NUMBER: (303) 312-8168	10. FIELD AND POOL, OR WILDCAT: ALTAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2153' FNL, 1039' FWL	COUNTY: DUCHESNE
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 13 T4S R6W	STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPO	RT, OR OTHER DATA
TYPE OF SUBMISSION TYPE OF ACTION	
NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: CASING REPAIR CHANGE TO PREVIOUS PLANS DEEPEN PRACTURE TREAT NEW CONSTRUCTION OPERATOR CHANGE	REPERFORATE CURRENT FORMATION SIDETRACK TO REPAIR WELL TEMPORARILY ABANDON TUBING REPAIR
CHANGE TUBING PLUG AND ABANDON SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: CHANGE WELL NAME PRODUCTION (START/RESUME) COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION	 VENT OR FLARE WATER DISPOSAL WATER SHUT-OFF ✓ OTHER: APD EXTENSION
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volum	nes, etc.
BILL BARRETT CORPORATION (BBC) REQUESTS A ONE-YEAR EXTENSION ON THE ORGINAL APD WAS APPROVED ON 10/15/2008 AND EXPIRES ON 10/15/2009	APD FOR THIS LOCATION. THE
Approved by the Utah Division of Oil, Gas and Mining COPY SENT TO OPERATOR Date: 10-12-09	
Date: 10 · 13 · 2009 Initials: LS	

(This space for State use only)

RECEIVED

Permit Analyst

10/6/2009



Application for Permit to Drill Request for Permit Extension Validation

(this form should accompany the Sundry Notice requesting permit extension)

API: 4301334115 Well Name: #5-13-46 BTR Location: 2153' FNL, 1039' FWL, SWNW, Sec. 13, T4S-R6W Company Permit Issued to: Bill Barrett Corporation Date Original Permit Issued: 10/15/2008
The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.
Following is a checklist of some items related to the application, which should be verified.
If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes □ No ☑
Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes□ No ☑
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes□No☑
Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes□No ☑
Has the approved source of water for drilling changed? Yes□No☑
Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes□No☑
Is bonding still in place, which covers this proposed well? Yes ☑ No ☐
Matt Balc 10/6/2009
Signature Date
Title: Permit Analyst
Representing: Bill Barrett Corporation

RECEIVED OCT 1 2 2009

	STATE OF UTAH		FORM 9
DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING			5.LEASE DESIGNATION AND SERIAL NUMBER: 20G0005608
SUNDRY NOTICES AND REPORTS ON WELLS			6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
	sals to drill new wells, significantly deepen ugged wells, or to drill horizontal laterals. U		7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: 5-13-46 BTR
2. NAME OF OPERATOR: BILL BARRETT CORP			9. API NUMBER: 43013341150000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300, E		NE NUMBER: 12-8164 Ext	9. FIELD and POOL or WILDCAT: ALTAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2153 FNL 1039 FWL			COUNTY: DUCHESNE
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: SWNW Section: 13	rp, range, meridian: 3 Township: 04.0S Range: 06.0W Meridian	ı: U	STATE: UTAH
11.	CK APPROPRIATE BOXES TO INDICA	TE NATURE OF NOTICE, REPORT,	OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
,	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
✓ NOTICE OF INTENT Approximate date work will start: 10/20/2010	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
10/20/2010	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
SPUD REPORT	☐ PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	L TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL
DRILLING REPORT Report Date:	☐ WATER SHUTOFF	SI TA STATUS EXTENSION	✓ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:
This sundry is bei expires on 10/15/2 October 2010 and	ng submitted to request an expension all performance of the section of the sectio	ktension to the APD that luctor pipe on this well in vember 2010. Per recent	Approved by the Utah Division of Oil, Gas and Mining
		D B	ate: October 11, 2010 y: Day July 1
Tracey Fallang	PHONE NUMBER 303 312-8134	Regulatory Manager	
SIGNATURE N/A		DATE 10/8/2010	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43013341150000

API: 43013341150000 **Well Name:** 5-13-46 BTR

Location: 2153 FNL 1039 FWL QTR SWNW SEC 13 TWNP 040S RNG 060W MER U

Company Permit Issued to: BILL BARRETT CORP

Date Original Permit Issued: 10/15/2008

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

ilre revision. Following is a checklist of some items related to the application, which should be verified.
 If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes No
 Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes No
• Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes No
 Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? Yes No
• Has the approved source of water for drilling changed? Yes No
 Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes No
• Is bonding still in place, which covers this proposed well? Yes Oil, Gas and Mining

Signature: Tracey Fallang **Date:** 10/8/2010

Title: Regulatory Analyst Representing: BILL BARRETT CORP

By: Bally

October 11, 2010

Carol Daniels - Spud Notification - 5-13-46 BTR (API: 43-013-34115)

45

6W

13

From:

Tracey Fallang

To:

"'Carol Daniels'", "'bpargeets@utetribe.com'", "'Secakuku, Bucky'",

"'leallenb@utetribe.com'", "'UT VN OpReport@blm.gov'"

Date:

10/8/2010 1:40 PM

Subject:

Attachments:

Spud Notification - 5-13-46 BTR (API: 43-013-34115)

CC:

"'James_Hereford@blm.gov'", Kary Eldredge, Brent Murphy, Troy Schindler
"'James_Hereford@blm.gov'", Kary Eldredge, Brent Murphy, Troy Schindler

BBC intends to spud this well by setting conductor with Triple AAA Drilling on Tuesday, October, 12, 2010.

If you have any questions, please contact me at 303-312-8134.

RECEIVED

OCT 1 1 2010

DIV. OF OIL, GAS & MINING

BLM - Vernal Field Office - Notification Form

•	nitted By <u>Tracey Fallang</u>		•	
	Name/Number <u>5-13-46 BTR</u>			
	Qtr <u>SWNW</u> Section 13		<u>4S</u> R	ange <u>6W</u>
	e Serial Number <u>20G000560</u> Number <u>43-013-34115</u>)8		
/ \ \ _ ·	45-015-54115			
_	<u>d Notice</u> – Spud is the initial pelow a casing string.	l spudding o	of the we	ll, not drilling
	Date/Time <u>10/12/2010</u>	2:00	AM 🗌	PM 🔽
<u>Casi</u> time	ng – Please report time cas	ing run star	ts, not ce	ementing
	Surface Casing			RECEIVED
	Intermediate Casing			OCT 1 1 2010
\blacksquare	Production Casing		δ	DIV. OF OIL, GAS & MININ(
	Liner Other			
	Date/Time		АМ 🗌	РМ
<u>BOP</u>	<u>E</u>			
	Initial BOPE test at surface			
	BOPE test at intermediate	casing poin	t	
	30 day BOPE test Other			
	Date/Time		АМ 🗌	РМ
Rem	arks			

Carol Daniels - RE: Spud Notification - 5-13-46 BTR (API: 43-013-34115) S-13 TOUS ROBE

From:

Tracey Fallang

To:

"'Carol Daniels'", "'bpargeets@utetribe.com'", "'Secakuku, Bucky'", "'leallenb@utetribe.com'", "'UT_VN_OpReport@blm.gov'"

Date:

10/18/2010 2:54 PM

Subject: RE: Spud Notification - 5-13-46 BTR (API: 43-013-34115)

CC:

"'James Hereford@blm.gov'", Kary Eldredge, Brent Murphy, Troy Schindler

As a follow up here, conductor was actually set today, October 18, 2010.

From: Tracey Fallang

Sent: Friday, October 08, 2010 1:40 PM

To: 'Carol Daniels'; 'bpargeets@utetribe.com'; 'Secakuku, Bucky'; 'leallenb@utetribe.com';

'UT_VN_OpReport@blm.gov'

Cc: 'James_Hereford@blm.gov'; Kary Eldredge; Brent Murphy; Troy Schindler

Subject: Spud Notification - 5-13-46 BTR (API: 43-013-34115)

BBC intends to spud this well by setting conductor with Triple AAA Drilling on Tuesday, October, 12, 2010.

If you have any questions, please contact me at 303-312-8134.

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DIV. OF OIL, GAS & MINING

	STATE OF UTAH		FORM 9
DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING			5.LEASE DESIGNATION AND SERIAL NUMBER: 20G0005608
SUNDRY NOTICES AND REPORTS ON WELLS			6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
Do not use this form for propo bottom-hole depth, reenter plu DRILL form for such proposals	sals to drill new wells, significantly deepen igged wells, or to drill horizontal laterals. U	existing wells below current se APPLICATION FOR PERMIT TO	7.UNIT or CA AGREEMENT NAME:
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4. LOCATION OF WELL FOOTAGES AT SURFACE: 2153 FNL 1039 FWL			COUNTY: DUCHESNE
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: SWNW Section: 13	IP, RANGE, MERIDIAN: 3 Township: 04.0S Range: 06.0W Meridian:	U	STATE: UTAH
CHE	CK APPROPRIATE BOXES TO INDICAT	E NATURE OF NOTICE, REPORT,	OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	☐ ACIDIZE	ALTER CASING	☐ CASING REPAIR
✓ NOTICE OF INTENT Approximate date work will start: 11/7/2010	✓ CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
11/7/2010	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	L DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
SPUD REPORT	☐ PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
Date of Spud:	☐ REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL
DRILLING REPORT Report Date:	☐ WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION
		☐ OTHER	OTHER:
This sundry is bei Changes include revis	ompleted operations. Clearly show all pert ng submitted to request chang sed casing and cementing prog ne revised casing and cementir	ges to the original APD. ram. A revised drilling plang g design are attached.	n Accepted by the Utah Division of Oil, Gas and Mining
			y:
NAME (PLEASE PRINT) Elaine Winick	PHONE NUMBER 303 293-9100	TITLE Sr. Permit Analyst	
SIGNATURE N/A		DATE 10/28/2010	

DRILLING PLAN

BILL BARRETT CORPORATION # 5-13-46 BTR

SHL: SW/4 NW/4, 2153' FNL & 1039' FWL, Section 13-T4S-R6W BHL: SW/4 NW/4, 2153' FNL & 1039' FWL, Section 13-T4S-R6W

Surface Owner: Tribal Duchesne County, Utah

1-3. Estimated Tops of Geological Markers and Formations Expected to Contain Water, Oil and Gas and Other Minerals

<u>Formation</u>	Depth – MD
Green River	1,942'
Douglas Creek	4,640
Black Shale	5,495°
Castle Peak	5,693*
Wasatch	6,231' *
TD	7,961'

^{*}PROSPECTIVE PAY

The Wasatch and the North Horn are primary objectives for oil/gas.

4. <u>Casing Program</u> A) Planned Program

Hole Size	SETTIN (FROM)	G DEPTH (TO)	Casing Size	Casing Weight	Casing Grade	Thread	Condition
26"	Surface	80'	16"	65#			
14 3/4"	surface	2300'	10-3/4"	45.5#	J or K 55	BT&C	New
9-7/8"	surface	TD	5 1/2"	17#	P-110	LT&C	New
& 7-							
7/8"							

NOTE: If necessary due to lost circulation, BBC would like to request the option to set 7-5/8", 33.70# P-110 LT&C to a depth of 6000', then drlll a 6-1/2" hole to TD and run 5-1/2" casing as a 2000' liner (200' liner lap).

5. <u>Cementing Program</u> A) Planned Program

16" Conductor Casing	Grout
14-3/4" hole for 10-3/4" Surface	Lead with approximately 570 sx Halliburton Light Premium
Casing	with additives mixed at 11.0 ppg (yield = $3.16 \text{ ft}^3/\text{sx}$)
	circulated to surface with 75% excess.
	Tail with approximately 360 sx Halliburton Premium
	cement with additives mixed at 14.8 ppg (yield = 1.36
	ft ³ /sx). Calculated hole volume with 75% excess.
9-7/8 hole for 5 1/2" Production	Lead with approximately 1430 sx Tuned Light cement with
Casing	additives mixed at 11.0 ppg (yield = 2.31 ft ³ /sx).
May reduce hole size to 7-7/8" at	Tail with approximately 790 sx Halliburton Econocem
6000' if minimal hole problems.	cement with additives mixed at 13.5 ppg (yield = 1.42
·	ft ³ /sx). Planned TOC surface.

NOTE: If 7-5/8" casing is necessary at 6000', we would cement with 250 sx of 12.7 PPG lead 50/50 Poz with 8% gel (1000' of fill with 100% excess, yield 1.80 cuft/sx) and 200 sx of 15.8

Bill Barrett Corporation Drilling Program # 5-13-46 BTR Duchesne County, Utah

ppg tail Class G or H (500' of fill with 100% excess, yield 1.18 cuft/sx.) We will perform a FIT to 10.2 ppg after drilling 20' of new hole.

The 5-1/2" liner would be cemented with 300 sx of Class G 50/50 Poz w/ 2% gel (14.2 ppg) with additives from TD to 200' above TOL.

6. Mud Program

Interval	Weight	Viscosity	Fluid Loss (API filtrate)	Remarks
0' - 80'	8.3 - 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
80' - 2,300'	8.3 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
2,300' – TD	8.6 – 9.7	42-52	20 cc or less	DAP Polymer Fluid System

Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce torque and drag.

7. BOP and Pressure Containment Data

Depth Intervals	BOP Equipment		
0-2,300	No pressure control required		
2,300' - TD	11" 5000# Ram Type BOP		
	11" 5000# Annular BOP		
- Drilling spool to a	accommodate choke and kill lines;		
- Ancillary and cho	- Ancillary and choke manifold to be rated @ 5000 psi;		
- Ancillary equipme	- Ancillary equipment and choke manifold rated at 5,000 psi. All BOP and BOPE tests will be in		
accordance with the requirements of onshore Order No. 2;			
- The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in			
advance of all BOP pressure tests.			
- BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up			
To operate most e	fficiently in this manner.		

8. Auxiliary Equipment

- a) Upper kelly cock; lower Kelly cock will be installed while drilling
- b) Inside BOP or stab-in valve (available on rig floor)
- c) Safety valve(s) and subs to fit all string connections in use
- d) Mud monitoring will be visually observed

9. Testing, Logging and Core Programs

Cores	None anticipated
Testing	None anticipated; drill stem tests may be run on shows of interest;
Sampling	30' to 50' samples; surface casing to TD. Preserve samples all show intervals;
Surveys	MWD as needed to land wellbore;
Logging	DIL-GR-SP, FDC-CNL-GR-CALIPER-Pe-Microlog, Senic-GR (all TD to surface).
	FMI & Sonic Scanner to be run at geologist's discretion.

If BBC pursues the "Alternate" program, a suite of the above logs will be run on both the intermediate and production hole sections.

10. Anticipated Abnormal Pressures or Temperatures

Bill Barrett Corporation Drilling Program # 5-13-46 BTR Duchesne County, Utah

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 4016 psi* and maximum anticipated surface pressure equals approximately 2264 psi** (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

- *Max Mud Wt x 0.052 x TD = A (bottom hole pressure)
- **Maximum surface pressure = $A (0.22 \times TD)$

11. Location and Type of Water Supply

Water for the drilling and completion will be trucked from the Duchesne City Culinary Water Dock located in Sec. 1, T4S, R5W.

12. Drilling Schedule

Location Construction: Built

Spud: Approximately 11/7/2010
Duration: 30 days drilling time
45 days completion time



Bill Barrett Corporation

LAKE CANYON & BLACK TAIL RIDGE CEMENT VOLUMES

Well Name:

5-13-46 BTR

Surface Hole Data:

Total Depth:	2,300
Top of Cement:	0,
OD of Hole:	14.750"
OD of Casing:	10.750"

Calculated Data:

Lea d Volume:	1752.4	ft³
Lead Fill:	1,800	
Tail Volume:	486.8	ft°
Tail Fill:	500'	

Cement Data:

Lead Yield:	3. 16	ft³/sk
% Excess:	75%	
Top of Lead:	0,	

Tail Yield:	1.36	ft³/sk
% Excess:	75%	
Top of Tail :	1,800'	

Calculated # of Sacks:

#	SK's	Lead:	570

SK's Tail: 360

Production Hole Data:

Total Depth:	7,961'
Top of Cement:	0'
Top of Tail:	5,961'
OD of Hole;	9.875"
OD of Casing:	5.500"

Calculated Data:

Lead Volume:	3280.4	ft³
Lead Fill:	5,961'	
Tail Volume:	1100.7	ft ³
Tail Fili:	2,000	

Cement Data:

Lead Yield:	2.31	ft³/sk
Tail Yield:	1.42	ft ³ /sk
% Excess:	50%	

Calculated # of Sacks:

 # SK's Lead:	1430
# SK's Tail:	790

5-13-46 BTR Proposed Cementing Program

Job Recommendation		Sur	face Casing
Lead Cement - (1800' - 0')			
Halliburton Light Premium	Fluid Weight:	11.0	lbm/gal
5.0 lbm/sk Silicalite Compacted	Slurry Yield:	3.16	ft ³ /sk
0.25 lbm/sk Kwik Seal	Total Mixing Fluid:	19.48	Gal/sk
0.125 lbm/sk Poly-E-Flake	Top of Fluid:	0'	
2.0% Bentonite	Calculated Fill:	1,800'	
	Volume:	312.09	bbl
	Proposed Sacks:	570	sks
Tail Cement - (TD - 1800')			
Premium Cement	Fluid Weight:	14.8	lbm/gal
2.0% Calcium Chloride	Slurry Yield:	1.36	ft ³ /sk
	Total Mixing Fluid:	6.37	Gal/sk
	Top of Fluid:	1,800'	
	Calculated Fill:	500'	
	Volume:	86.69	bbl
	Proposed Sacks:	360	ska

Job Recommendation	mendation Production C		tion Casing
Lead Cement - (5961' - 0')			
Tuned Light [™] System	Fluid Weight:		lbm/gal
	Slurry Yield:	2.31	ft ³ /sk
	Total Mixing Fluid:	10.65	Gal/sk
	Top of Fluid:	0'	
	Calculated Fill:	5,961'	
1	Volume:	584.22	bbl
	Proposed Sacks:	1430	eks
Tail Cement - (7961' - 5961')			
Econocem TM System	Fluid Weight:	13.5	lbm/gal
0.125 lbm/sk Poly-E-Flake	Slurry Yield:	1.42	ft ³ /sk
1.0 lbm/sk Granulite TR 1/4	Total Mixing Fluid:	6.61	Gal/sk
Į.	Top of Fluid:	5,961'	
1	Calculated Fill:	2,000	
	Volume:	196.03	bbl
	Proposed Sacks:	790	sks

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

ENTITY ACTION FORM

Operator:

Bill Barrett Corporation

Operator Account Number: N 2165

Address:

1099 18th Street, Suite 2300

city Denver

state CO zip 80202

Phone Number: (303) 312-8134

Well 1

API Number	Well	Name	QQ	Sec	Twp	Rng	County
4301334112	15-18-45 BTR		SWSE	18	4S	5W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
А	99999	17832	10	0/14/20	10	//	128/10

WSTC

Well 2

API Number	Well	Name	QQ	Sec	Twp	Rng	County
4301334115	5-13-46 BTR		SWNW	13	48	6W	Duchesne
Action Code	Current Entity Number	New Entity Number	S	pud Da	te		ity Assignment ffective Date
Α	99999	17833	10	0/18/20	10	10	0/28/10
Comments:							/ 5,5/

Spudding Operation was conducted by Triple AAA Drilling @ 2:00 pm.

WSTC

Well 3

API Number	Well N	lame	QQ Sec Twp		Rng County		
Action Code	Current Entity Number	New Entity Number	\$	 Spud Dat	le :e		 tity Assignment Effective Date
Comments:							

ACTION CODES:

- A Establish new entity for new well (single well only)
- **B** Add new well to existing entity (group or unit well)
- Re-assign well from one existing entity to another existing entity
- D Re-assign well from one existing entity to a new entity
- E Other (Explain in 'comments' section)

Name (Please Print)

Digitally signed by Tracey Failing
DN: cn=Tracey Failing, o=8iii Barrett Corporation, ou,
email=ofailing@billbarrettcopp.com, c=US
Date: 2010.10.18 15:03:03-06'00'

Signature

Regulatory Manager

Tracey Fallang

10/28/2010

Title

Date

(5/2000) OCT 2 8 2010

RECEIVED

	STATE OF UTAH		FORM 9
	G	5.LEASE DESIGNATION AND SERIAL NUMBER: 20G0005608	
SUNDF	N WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE	
	sals to drill new wells, significantly deepen exisugged wells, or to drill horizontal laterals. Use A		7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: 5-13-46 BTR
2. NAME OF OPERATOR: BILL BARRETT CORP			9. API NUMBER: 43013341150000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , D	PHONE N Denver, CO, 80202 303 312-8		9. FIELD and POOL or WILDCAT: ALTAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2153 FNL 1039 FWL			COUNTY: DUCHESNE
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: SWNW Section: 13	IP, RANGE, MERIDIAN: 3 Township: 04.0S Range: 06.0W Meridian: U		STATE: UTAH
11. CHE	CK APPROPRIATE BOXES TO INDICATE N	NATURE OF NOTICE, REPORT, (OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
_	☐ ACIDIZE ☐	ALTER CASING	CASING REPAIR
Approximate date work will start:	✓ CHANGE TO PREVIOUS PLANS	CHANGE TUBING	☐ CHANGE WELL NAME
11/7/2010	☐ CHANGE WELL STATUS ☐	COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN ☐	FRACTURE TREAT	□ NEW CONSTRUCTION
Date of Work Completion:	☐ OPERATOR CHANGE ☐	PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME ☐	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
SPUD REPORT Date of Spud:	☐ REPERFORATE CURRENT FORMATION ☐	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	☐ TUBING REPAIR ☐	VENT OR FLARE	WATER DISPOSAL
DRILLING REPORT Report Date:	□ WATER SHUTOFF □	SI TA STATUS EXTENSION	APD EXTENSION
Report Date.	☐ WILDCAT WELL DETERMINATION ☐	OTHER	OTHER:
This sundry is bei Changes include revis	DIMPLETED OPERATIONS. Clearly show all pertine ing submitted to request changes sed casing and cementing prograne revised casing and cementing	s to the original APD. m. A revised drilling pland design are attached.	Accepted by the Utah Division of Oil, Gas and Mining Ite: November 02, 2010
NAME (PLEASE PRINT) Elaine Winick	PHONE NUMBER 303 293-9100	TITLE Sr. Permit Analyst	
SIGNATURE N/A		DATE 10/28/2010	

DRILLING PLAN

BILL BARRETT CORPORATION # 5-13-46 BTR

SHL: SW/4 NW/4, 2153' FNL & 1039' FWL, Section 13-T4S-R6W BHL: SW/4 NW/4, 2153' FNL & 1039' FWL, Section 13-T4S-R6W

Surface Owner: Tribal Duchesne County, Utah

1-3. Estimated Tops of Geological Markers and Formations Expected to Contain Water, Oil and Gas and Other Minerals

<u>Formation</u>	Depth – MD
Green River	1,942'
Douglas Creek	4,640
Black Shale	5,495'
Castle Peak	5,693'
Wasatch	6,231' *
TD	7,961'

^{*}PROSPECTIVE PAY

The Wasatch and the North Horn are primary objectives for oil/gas.

4. <u>Casing Program</u> A) Planned Program

Hole Size	SETTIN (FROM)	G DEPTH (TO)	Casing Size	Casing Weight	<u>Casing</u> <u>Grade</u>	Thread	Condition
26"	Surface	80'	16"	65#			
14 3/4"	surface	2300'	10-3/4"	45.5#	J or K 55	BT&C	New
9-7/8"	surface	TD	5 1/2"	17#	P-110	LT&C	New
& 7-							
7/8"							

NOTE: If necessary due to lost circulation, BBC would like to request the option to set 7-5/8", 33.70# P-110 LT&C to a depth of 6000', then drlll a 6-1/2" hole to TD and run 5-1/2" casing as a 2000' liner (200' liner lap).

5. <u>Cementing Program</u> A) Planned Program

16" Conductor Casing	Grout
14-3/4" hole for 10-3/4" Surface	Lead with approximately 570 sx Halliburton Light Premium
Casing	with additives mixed at 11.0 ppg (yield = 3.16 ft ³ /sx)
	circulated to surface with 75% excess.
	Tail with approximately 360 sx Halliburton Premium
	cement with additives mixed at 14.8 ppg (yield = 1.36
	ft ³ /sx). Calculated hole volume with 75% excess.
9-7/8 hole for 5 1/2" Production	Lead with approximately 1430 sx Tuned Light cement with
Casing	additives mixed at 11.0 ppg (yield = 2.31 ft ³ /sx).
May reduce hole size to 7-7/8" at	Tail with approximately 790 sx Halliburton Econocem
6000' if minimal hole problems.	cement with additives mixed at 13.5 ppg (yield = 1.42
	ft ³ /sx). Planned TOC surface.

NOTE: If 7-5/8" casing is necessary at 6000', we would cement with 250 sx of 12.7 PPG lead 50/50 Poz with 8% gel (1000' of fill with 100% excess, yield 1.80 cuft/sx) and 200 sx of 15.8

Bill Barrett Corporation Drilling Program # 5-13-46 BTR Duchesne County, Utah

ppg tail Class G or H (500' of fill with 100% excess, yield 1.18 cuft/sx.) We will perform a FIT to 10.2 ppg after drilling 20' of new hole.

The 5-1/2" liner would be cemented with 300 sx of Class G 50/50 Poz w/ 2% gel (14.2 ppg) with additives from TD to 200' above TOL.

6. Mud Program

Interval	Weight	Viscosity	Fluid Loss (API filtrate)	Remarks
0'-80'	8.3 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
80' - 2,300'	8.3 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
2,300' – TD	8.6 – 9.7	42-52	20 cc or less	DAP Polymer Fluid System

Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce torque and drag.

7. BOP and Pressure Containment Data

Depth Intervals	BOP Equipment					
0-2,300	No pressure control required					
2,300' - TD	11" 5000# Ram Type BOP					
	11" 5000# Annular BOP					
- Drilling spool to	- Drilling spool to accommodate choke and kill lines;					
- Ancillary and choke manifold to be rated @ 5000 psi;						
- Ancillary equipment and choke manifold rated at 5,000 psi. All BOP and BOPE tests will be in						
accordance with the requirements of onshore Order No. 2;						
- The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in						
advance of all BOP pressure tests.						
- BOP hand wheels	s may be underneath the sub-structure of the rig if the drilling rig used is set up					
	efficiently in this manner.					

8. Auxiliary Equipment

- a) Upper kelly cock; lower Kelly cock will be installed while drilling
- b) Inside BOP or stab-in valve (available on rig floor)
- c) Safety valve(s) and subs to fit all string connections in use
- d) Mud monitoring will be visually observed

9. Testing, Logging and Core Programs

Cores	None anticipated
Testing	None anticipated; drill stem tests may be run on shows of interest;
Sampling	30' to 50' samples; surface casing to TD. Preserve samples all show intervals;
Surveys	MWD as needed to land wellbore;
Logging	DIL-GR-SP, FDC-CNL-GR-CALIPER-Pe-Microlog, Senic-GR (all TD to surface).
0	FMI & Sonic Scanner to be run at geologist's discretion.

If BBC pursues the "Alternate" program, a suite of the above logs will be run on both the intermediate and production hole sections.

10. Anticipated Abnormal Pressures or Temperatures

Bill Barrett Corporation Drilling Program # 5-13-46 BTR Duchesne County, Utah

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 4016 psi* and maximum anticipated surface pressure equals approximately 2264 psi** (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

- *Max Mud Wt x 0.052 x TD = A (bottom hole pressure)
- **Maximum surface pressure = $A (0.22 \times TD)$

11. Location and Type of Water Supply

Water for the drilling and completion will be trucked from the Duchesne City Culinary Water Dock located in Sec. 1, T4S, R5W.

12. Drilling Schedule

Location Construction: Built

Spud: Approximately 11/7/2010

Duration: 30 days drilling time
45 days completion time



LAKE CANYON & BLACK TAIL RIDGE CEMENT VOLUMES

Well Name: <u>5-13-46 BTR</u>

Surface Hole Data:

Total Depth:	2,300
Top of Cement:	0'
OD of Hole:	14.750"
OD of Casing:	10.750"

Calculated Data:

Lea d Volume:	1752.4	ft³
Lead Fill:	1,800'	
Tail Volume:	486.8	ft³
Tail Fill:	500'	

Cement Data:

Lead Yield:	3. 16	ft³/sk
% Excess:	75%	
Top of Lead:	0'	

Tail Yield:	1.36	ft³/sk
% Excess:	75%	
Top of Tail:	1,800'	}

Calculated # of Sacks:

	The state of the s
# SK's Lea	d: 570

# SK's Tail:	360
# SK's Tail:	360

Production Hole Data:

Total Depth:	7,961
Top of Cement:	0'
Top of Tail:	5,961'
OD of Hole:	9.875"
OD of Casing:	5.500"

Calculated Data:

Lea d Volume:	3280.4	ſť³
Lead Fill:	5,961'	
Tail Volume:	1100.7	ft ³
Tail Fill:	2,000'	

Cement Data:

Lead Yield:	2.31	ft ³ /sk
Tail Yield:	1.42	ft ³ /sk
% Excess:	50%	

Calculated # of Sacks:

# SK's Lead:	1430
# SK's Tail:	790

5-13-46 BTR Proposed Cementing Program

Job Recommendation		Sur	rface Casing
Lead Cement - (1800' - 0')			
Halliburton Light Premium	Fluid Weight:	11.0	lbm/gal
5.0 lbm/sk Silicalite Compacted	Slurry Yield:	3.16	ft ³ /sk
0.25 lbm/sk Kwik Seal	Total Mixing Fluid:	19.48	Gal/sk
0.125 lbm/sk Poly-E-Flake	Top of Fluid:	0,	
2.0% Bentonite	Calculated Fill:	1,800'	
	Volume:	312.09	bbl
	Proposed Sacks:	570	aks
Tail Cement - (TD - 1800')			
Premium Cement	Fluid Weight:	14.8	lbm/gal
2.0% Calcium Chloride	Slurry Yield:	1.36	ft ³ /sk
	Total Mixing Fluid:	6.37	Gal/sk
	Top of Fluid:	1,800'	
	Calculated Fill:	500'	
	Volume:	86.69	bbl
	Proposed Sacks:	360	ska

Job Recommendation		Produc	tion Casing
Lead Cement - (5961' - 0')			
Tuned Light TM System	Fluid Weight:	11.0	lbm/gal
	Slurry Yield:	2.31	ft ³ /sk
	Total Mixing Fluid:		Gal/sk
	Top of Fluid:	0'	
	Calculated Fill:	5,961'	
	Volume:	584.22	bbl
	Proposed Sacks:	1430	eks
Tail Cement - (7961' - 5961')			
Econocem [™] System	Fluid Weight:	13.5	lbm/gal
0.125 lbm/sk Poly-E-Flake	Slurry Yield:	1.42	ft ³ /sk
1.0 lbm/sk Granulite TR 1/4	Total Mixing Fluid:	6.61	Gal/sk
	Top of Fluid:	5,961'	
	Calculated Fill:	2,000	
	Volume:	196.03	bbl
	Proposed Sacks:	790	aks

	STATE OF UTAU		FORM 9
	STATE OF UTAH DEPARTMENT OF NATURAL RESOUR DIVISION OF OIL, GAS, AND M		5.LEASE DESIGNATION AND SERIAL NUMBER:
	20G0005608		
SUNDF	S ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE	
Do not use this form for proposition-hole depth, reenter plu DRILL form for such proposals.	sals to drill new wells, significantly deepo gged wells, or to drill horizontal laterals	en existing wells below current . Use APPLICATION FOR PERMIT TO	7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: 5-13-46 BTR
2. NAME OF OPERATOR: BILL BARRETT CORP			9. API NUMBER: 43013341150000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300, D		HONE NUMBER: 312-8164 Ext	9. FIELD and POOL or WILDCAT: ALTAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2153 FNL 1039 FWL			COUNTY: DUCHESNE
QTR/QTR, SECTION, TOWNSHI	(P, RANGE, MERIDIAN: 3 Township: 04.0S Range: 06.0W Meridia	an: U	STATE: UTAH
11. CHE	CK APPROPRIATE BOXES TO INDIC	ATE NATURE OF NOTICE, REPORT	, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	☐ ACIDIZE	☐ ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	☐ CHANGE TO PREVIOUS PLANS	CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION
	OPERATOR CHANGE	PLUG AND ABANDON	☐ PLUG BACK
☐ SPUD REPORT	☐ PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	☐ REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	WATER DISPOSAL
✓ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION
12/2/2010	☐ WILDCAT WELL DETERMINATION	OTHER	OTHER:
	MPLETED OPERATIONS. Clearly show all p		volumes, etc.
Mor	nthly Drilling Report for Nove		A a a a set a di la set tipo
			Accepted by the Utah Division of
			il, Gas and Mining
			R RECORDONLY
		10	A RECD/M20011EI
NAME (PLEASE PRINT) Brady Riley	PHONE NUMBE 303 312-8115	R TITLE Permit Analyst	
SIGNATURE N/A		DATE 12/2/2010	



#5-13-46 BTR 11/7/2010 18:00 - 11/8/2010 06:00

API/UWI State/Province County Field Name Well Status Total Depth (ftKB) Primary Job Type 43-013-34115 UT Black Tail Ridge Concept 7,735.0 Drilling/Completion

Time Log Summary

RIG READY F/TRUCKS - 12

#5-13-46 BTR 11/8/2010 06:00 - 11/9/2010 06:00

API/UWI State/Province County Field Name Well Status Total Depth (ft/KB) Primary Job Type 43-013-34115 UT Black Tail Ridge Concept 7,735.0 Drilling/Completion

Time Log Summary

RIG DOWN, MOVE, SET SUB, P/U DRAWTOOL, AND SET MUD TANKS - 12

#5-13-46 BTR 11/9/2010 06:00 - 11/10/2010 06:00

API/UWI State/Province UT County Field Name Well Status Total Depth (ftKB) Primary Job Type UT DUCHESNE Black Tail Ridge Concept 7,735.0 Drilling/Completion

Time Log Summary

RIG UP, TRUCK RELEASED 15:00 HR. - 13.5, NIPPLE UP CONDUCTOR - 2, P/U BHA - 1, DRLG F/ 95' TO 104', MM HUNTING 4/5 LOBE 4.0 STAGE .25 GPR 1.5 FIXED BEND 8.30' BTB - 0.5, P/U EM TOOL OREINTATE - 1.5, DRLG F/ 104' TO 328' (224' IN 40.7 HR= 37.3 FPH) ROTATING - 5.5

#5-13-46 BTR 11/10/2010 06:00 - 11/11/2010 06:00

API/UWI State/Province UT County Field Name Well Status Total Depth (fftKB) Primary Job Type 43-013-34115 UT Black Tail Ridge Concept 7,735.0 Drilling/Completion

Time Log Summary

DRLG F/ 328' TO 965' (637' IN 12 HR -53.1 FPH) SLIDE: 57' IN 1.5 HR = 38 FPH, ROTATE 580' IN 10.5 HR = 55.2 FPH. MM HUNTING 4/5 LOBE 4.0 STAGE .25 GPR 1.5 FIXED BEND 8.30' BTB - 12, DRLG F/ 965' TO 1177' (212' IN 3.5 HR = 60.6 FPH) SLIDE:27' IN 1 HR 27 FPH, ROTATE: 185' IN 2.5 HR = 74 FPH. last survey 1050' .58inc 175.6 az 9.44 f/ center. - 3.5, WO PARTS F/ PUMP CLUTCH ON #2 PUMP - 8.5

#5-13-46 BTR 11/11/2010 06:00 - 11/12/2010 06:00

API/UWI State/Province County Field Name Well Status Total Depth (ftKB) Primary Job Type 43-013-34115 UT DUCHESNE Black Tail Ridge Concept 7,735.0 Drilling/Completion

Time Log Summary

Repair mud pump #2 - 2, Drlg, 1177-1502, drilled 325' in 7.5 hrs 43.3 FPH. Motor Hunting 4/5 lobe 4.0 stage .25 gpr 1.5* fixed bend 8.3' bi to bend. - 7.5, Rig Service - 0.5, Drlg, 1502-1930 drilled 428' in 11 hrs 39 FPH. Pressured up and lost P-rate @ 0500. Disengaged rotary table. No action from MM. - 11, Mix and pump dry job - 0.5

#5-13-46 BTR 11/12/2010 06:00 - 11/13/2010 06:00

API/UWI State/Province County Field Name Well Status Total Depth (ftKB) Primary Job Type 43-013-34115 UT DUCHESNE Black Tail Ridge Concept 7,735.0 Drilling/Completion

Mix and pump dry job. - 0.5, TOH, stand back BHA, laydown MWD for competency test. . - 2, Laydown MM and pickup fresh MM. pickup MWD - 2, TIH, pickup Kelly and break circulation. - 2.5, Drlg 1930-2042, - 4.5, Rlg Service - 0.5, Drlg 2042-2201 - 5.5, Change swab #1 pump - 0.5, Drlg 2201-2310'. - 2.5, Mix and pump dry job. - 0.5, TOH to run sfc csg. Lay down 8" MM - 2.5, Rigging up Franks Westates to run casing. - 0.5

#5-13-46 BTR 11/13/2010 06:00 - 11/14/2010 06:00

API/UWI State/Province County Field Name Well Status Total Depth (ft/KB) Primary Job Type 43-013-34115 UT DUCHESNE Black Tail Ridge Concept 7,735.0 Drilling/Completion

Time Log Summary

Rig up Franks Westates and run 2307' 10 3/4" 45.5# J55 BTC csg. Rig HES and cmt in place with 635 sks light premium with 5 lbm silicalite, .125 lbm poly-e-flake, .25 lbm kwikseal, and 2% bentonite lead and 430 sks premium plus with 94 lbm type 3 standard cmt, 2% calcium chloride, .125 lbm poly-e-flake. Got app 240 bbls cmt returns. bumped plug 500# over. Tested floats. Wait 30 min and did 40' top job. - 11, Clean tanks and repair pumps while waiting on cmt. - 4.5, Cut casg and weld on 10 3/4" x 5K csg head. - 3, N/U BOP. - 5, Begin BOP test. - 0.5

#5-13-46 BTR 11/14/2010 06:00 - 11/15/2010 06:00

API/UWI State/Province County DUCHESNE Field Name Black Tail Ridge Concept Total Depth (ftKB) Primary Job Type Time Log Summary

| Primary Job Type Duches New Primary State Province Concept Total Depth (ftKB) Primary Job Type Duches New Primary Job Type Concept Total Depth (ftKB) Primary Job Type Duches New P

Test BOP, kelly and chokes to 5000#, test annular to 2500#. - 5, Install wear bushing - 0.5, Pickup Smith ONYX MI616, Hunting MM 9/10 lobe 3.0 stage 0.11 rev/gal 8.3' bit to bend, run 1stand collars - 0.5, Breakout cathead brokedown, Remove and wait in replacement. - 10.5, Trip in hole - 1, Drill float collar, cmt & guide shoe, drill to 2330'. - 2.5, Do FIT test. 10.5# EMW=254 psi @ surface. Pressure up. Bled to 60# in 20 min. - 0.5, Drlg 2330-2522, 192' in 2.5 hrs 76.8 FPH - 3.5

#5-13-46 BTR 11/15/2010 06:00 - 11/16/2010 06:00

API/UWI State/Province County Field Name Well Status Total Depth (ftKB) Primary Job Type 43-013-34115 UT Black Tail Ridge Concept 7,735.0 Drilling/Completion

Time Log Summary

Drlg 2522-3220', Rotated 632' in 8.2 hrs, 77 FPH, slid 66' 1.8 hrs 36 FPH. Had BOP drill. Well secured 1 min 30 sec. Pipe rams 6 sec. MM Hunting 9/10 lobe 3.0 stage .11 rev/gal 8.3' bit to bend - 10, Rig service - 0.5, Drlg 3220-3980'. Made 1 8' slide this interval. Rotated 752' in 13.25 hrs 57 FPH. Lost 330 bbls mud. Did not lose complete returns. Treating with sawdust & Chemseal. Bypass shakers till LC healed or mud wt issues. - 13.5

www.peloton.com Page 1/2 Report Printed: 11/29/2010 RECEIVED December 02, 2010



#5-13-46 BTR 11/16/2010 06:00 - 11/17/2010 06:00

Well Status Total Depth (ftKB) Primary Job Type State/Province County 43-013-34115 **DUCHESNE** UT Black Tail Ridge Concept 7.735.0 Drilling/Completion

Time Log Summary

Drlig 3980-4517, 537', Slid 80' 3.5 hrs 23 FPH, rotated 457' in 6.5 hrs 70.5 FPH, max dev for section .95*, max max DLS 1.41, Hunting 8" MM 9/10 lobe 3.0 stage .11 rev/gal, Bit to bend 8.3' - 10, Rig service - 0.5, Drlg 4517-5120, 540'. slid 100' in 3.5 hrs 28.6FPH, rotated 440' in 10 hrs 44 FPH, Max dev 1.38*, max DLS 1.34. - 13.5

#5-13-46 BTR 11/17/2010 06:00 - 11/18/2010 06:00

State/Province Well Status Total Depth (ftKB) Primary Job Type County DUCHESNE Black Tail Ridge 43-013-34115 Concept 7,735.0 Drilling/Completion

Time Log Summary

Drlg 5120-5564, 444', slid 66' in 3.5 hrs 19 FPH, rotated 378' in 4.5 hrs, 84 FPH. Max dev 1.38* max DLS 2.1 Hunting MM 9/10 lobe 3.0 stage .11 rev/gal Bit to bend 8.3'. - 8.5, Rig service - 0.5, Drlg 5564-6232', 668' Slid 88' in 3 hrs 29.3 FPH, Rotated 480' in 12 hrs 40 FPH, Max dev .67* Max DLS 1.25 - 15

#5-13-46 BTR 11/18/2010 06:00 - 11/19/2010 06:00

43-013-34115 UT DUCHESNE Black Tail Ridge Concept 7,735.0 Drilling/Completion	API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
	43-013-34115	UT	DUCHESNE	Black Tail Ridge	Concept	7,735.0	Drilling/Completion

Time Log Summary

Drlg 6232-6676, Slid 8" in .25 hrs 32 FPH, rotated 436' in9.25 hrs 47 FPH, max dev .6*, max DLS 1.233 Hunting MM 9/10 lobe 3.0 stage .11 rev/gal 8.3' bit to bend - 9.5, Service rig and function test BOP - 0.5, Drlg 6676-7247', Slid 20' in 1 hr 20 FPH, rotated 571' in 13 hrs 44 FPH Max dev .58*, max DLS 1.15 - 14

#5-13-46 BTR 11/19/2010 06:00 - 11/20/2010 06:00

" · · · · · · · · · · · · · · · · · · ·	,,					
API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-34115	UT	DUCHESNE	Black Tail Ridge	Concept	7,735.0	Drilling/Completion

Time Log Summary

Drlg 7247-7629, 382', slid 48' in 1.75 hrs 27.5 FPH, rotated 334' in 7.75 hrs 43 FPH, Max dev 1.46* max DLS .76 - 9.5, Rig service - 0.5, Drlg 7629-7735', 106' in 2.5 42.4 FPH, Max dev 1.92* max DLS.48, TD extended due to shoew @ 7618'. - 2.5, Circulate Mud 9.5+, 35 vis - 1, Make wiper trip to csg shoe, trip in to 5423' -4, Wash & ream tite spot @ 5423-5564'. - 0.5, Condition mud and build volume, Lost 320 bbls, 20% lcm. - 1, TIH, kelly up. - 1.5, Circulate & condition mud. 9.5#/gal, 35 vis. - 1, TOH for logs, Flow check @ 5600', no flow. - 2.5

#5-13-46 BTR 11/20/2010 06:00 - 11/21/2010 06:00

API/UWI State	te/Province C	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-34115 UT	T C	DUCHESNE	Black Tail Ridge	Concept	7,735.0	Drilling/Completion

TOH for logs, laydown MWD subs - 2, Logging with SLB (platform express/caliper cmt volume and digital sonic log) Wireline TD 7720'. - 11, Pull wear bushing. -0.5, TIH to LDDP. kelly up and attempt to break circulation. Pipe plugged and stuck. Work free and attempt to circ. - 4.5, TOH pulling wet. Pull to Weight pipe. Slips worn - 4, Working on slips. Replacing dies etc. - 2

#5-13-46 BTR 11/21/2010 06:00 - 11/22/2010 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-34115	UT	DUCHESNE	Black Tail Ridge	Concept	7,735.0	Drilling/Completion

TOH for plugged drillstring, lay down MM & 1 NMDC. - 3.5, TIH, - 4.5, Wash 150' to bottom - 1, Circulate gas out (10K units) - 1, Pump dry job and LDDP. - 7.5, Rig up csg crew HSM, Make up shoe its and run csg. 5.5" 17# P110 - 6.5

#5-13-46 BTR 11/22/2010 06:00 - 11/23/2010 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-34115	UT	DUCHESNE	Black Tail Ridge	Concept	7,735.0	Drilling/Completion

Time Log Summary

Finish running csg. 178 jts 5.5" 17# P110, (includes 3 20' markers) - 1.5, Circulate gas out (10k units) - 1.5, Rig up HES and cmt csg as follows; Pump 5 bbls fresh water, 40 bbls super flush, 10 bbls water, Then 870 sks tuned light 11lb/gal with .125 lbm Poly-E-Flake, 1 lbm Granulite TR 1/4, lead cmt. Then 800 sks Econocem with .125 lbm Poly-E-Flake, 1lbm Granulite TR 1/4. Flush with 175 bbl water. Had full returns through most of job. Returns diminished during displacement and stopped 100 bbls into displacement. Discovered tally error when starting cmt job. Casing @ 7633'. Continued cmt job as per Brent Murphy. - 5, Wait on cmt, Clean pits, N/D BOP and set slips @ 30 overstring wt. Rig Release @ 1800 hrs - 4

Report Printed: 11/29/2010 www.peloton.com **RÉCEIVED** December 02, 2010

SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen oxisting wells below current control-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERRIT TO MELL form for use the plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERRIT TO MELL form for use the plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERRIT TO MELL form for use the plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERRIT TO MELL form for use the plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERRIT TO MELL form for use the plugged wells, or to drill horizontal laterals. 1. TYPE OF PERLONS 1. ADDRESS OF OPERATORS: 1. ADDR				FORM 9
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DUCHESNE 2.153 FNL 1039 FVL QRY/QRY, SECTION, TOWNSHIP, RANGE, MERIDIAN: QRY/QRY, SECTION, TOWNSHIP, RANGE, ME				
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF ACTION ACIDIZE	FOOTAGES AT SURFACE: 2153 FNL 1039 FWL			
TYPE OF SUBMISSION ACIDIZE ALTER CASING CASING REPAIR			n: U	
ACIDIZE	11. CHE	CK APPROPRIATE BOXES TO INDICA	TE NATURE OF NOTICE, REPORT,	OR OTHER DATA
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Approximate date work will start: □ SUBSEQUENT REPORT □ Date of Work Completion: □ OPERATOR CHANGE □ SPUD REPORT □ Date of Spud: □ SPUD REPORT □ Date of Spud: □ PRODUCTION START OR RESUME □ RECLAMATION OF WELL SITE □ RECOMPLETE DIFFERENT FORMATION □ TUBING REPORT □ WATER SHUTOFF □ WATER SHUTOFF □ WILLOCAT WELL DETERMINATION □ OTHER □ USING REPORT □ WILLOCAT WELL DETERMINATION □ THER □ USING REPORT □ WATER SHUTOFF □ WILLOCAT WELL DETERMINATION □ THER □ USING REPORT □ WATER SHUTOFF □ WILLOCAT WELL DETERMINATION □ THER □ USING REPORT □ WATER SHUTOFF □ WILLOCAT WELL DETERMINATION □ THER □ USING REPORT □ WATER SHUTOFF □ WATER SUSPONAL □ WATER SHUTOFF □ WATER SUSPONAL □ WATER SHUTOFF □ WATER SUSPONAL □ WATER SUSP		☐ ACIDIZE	☐ ALTER CASING	CASING REPAIR
SUBSCUENT REPORT Date of Work Completion: SPUD REPORT Date of Spud: OPERATOR CHANGE PLUG AND ABANDON PLUG BACK SPUD REPORT Date of Spud: Date		☐ CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
Date of Work Completion: OPERATOR CHANGE	Approximate date work will start:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SPUD REPORT PRODUCTION START OR RESUME RECLAMATION OF WELL SITE RECOMPLETE DIFFERENT FORMATION SPUD REPORT Date of Spud: Reperforate current formation SIDETRACK TO REPAIR WELL TEMPORARY ABANDON TUBING REPORT WATER SHUTOFF SI TA STATUS EXTENSION APD EXTENSION TUBING REPORT WILLOAT WELL DETERMINATION OTHER OTHER: 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. December 2010 Monthly Activity Report. Accepted by the Utah Division of Oil, Gas and Mining FOR RECOMBED CONNEY FOR RECOMBED CONNEY STORATURE DATE OPERATOR CHANGE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. DATE DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. DATE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. DATE DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. DATE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. DATE DATE DATE DATE DATE DATE		DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION
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DECILING REPORT Report Date: 12/1/2010 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. December 2010 Monthly Activity Report. Accepted by the Utah Division of Oil, Gas and Mining FOR RECORDOLLY NAME (PLEASE PRINT) Brady Riley 303 312-8115 PHONE NUMBER TITLE Permit Analyst SIGNATURE DELTERORARY ABANDON VENT OR FLARE WATER DISPOSAL WA		_		
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NAME (PLEASE PRINT) Brady Riley NOTIFIE WATER SHUTOFF WILDCAT WELL DETERMINATION OTHER TITLE Permit Analyst SIGNATURE DATE	/	☐ TUBING REPAIR		☐ WATER DISPOSAL
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. December 2010 Monthly Activity Report. Accepted by the Utah Division of Oil, Gas and Mining FOR RECORDONLY NAME (PLEASE PRINT) Brady Riley 303 312-8115 PHONE NUMBER TITLE Permit Analyst SIGNATURE DATE	Report Date:	☐ WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION
December 2010 Monthly Activity Report. Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD (OINLY) NAME (PLEASE PRINT) PHONE NUMBER Brady Riley 303 312-8115 PHONE NUMBER Permit Analyst SIGNATURE DATE	12/1/2010	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:
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#5-13-46 BTR 12/4/2010 06:00 - 12/5/2010 06:00

API/UWI State/Province County Field Name Well Status Total Depth (ft/KB) Primary Job Type 43-013-34115 UT Black Tail Ridge Concept 7,735.0 Drilling/Completion

Time Log Summary

WSI - 1, JSA Safety Meeting - 0.5, RU rig and equip. Unload Tbg. 246 Jts. w2 7/8" L80 - 3, NU BOP & function test - 0.5, RU work floor & Tbg. Equip. - 0.5, PU 4 5/8 Smith Rock bit, Bit sub, 1 Jt., X nipple Cont. PU Tbg. Tag @ 7525', Pull 10 Stds. - 4, Secure well SDFN - 0.5, WSI - 14

#5-13-46 BTR 12/5/2010 06:00 - 12/6/2010 06:00

API/UWI State/Province County Field Name Well Status Total Depth (ftKB) Primary Job Type 43-013-34115 UT Black Tail Ridge Concept 7,735.0 Drilling/Completion

Time Log Summary

WSI - 1, JSA Safety Meeting - 0.5, TIH 10 Stds. - 0.5, RU Swivel - 0.5, Establish Circ. w/ rig pump.

Drillout FC & Cement

New PBTD 7611' GL.

Circ. 2 bottoms up. - 3, RD Swivel - 0.5, Laydown Tbg., w/ 20 Jts. in hole loaded hole w/ fluid. Cont. Laydown Tbg. - 3.5, RD Tbg. Equip & workfloor - 0.5, ND BOP, NU Blind Flange. - 0.5, RDMO all rig equip. - 1.5, Secure well, SDFN - 12

#5-13-46 BTR 12/6/2010 06:00 - 12/7/2010 06:00

API/UWI State/Province County Field Name Well Status Total Depth (ftKB) Primary Job Type 43-013-34115 UT DUCHESNE Black Tail Ridge Concept 7,735.0 Drilling/Completion

Time Log Summary

Cont. Build Prod. facility, NU Frac mandrel & Frac tree Pressure test Csg. to 8500# for 30 min. held good. - 24

#5-13-46 BTR 12/7/2010 06:00 - 12/8/2010 06:00

API/UWI State/Province County Field Name Well Status Total Depth (ffKB) Primary Job Type 43-013-34115 UT DUCHESNE Black Tail Ridge Concept 7,735.0 Drilling/Completion

Time Log Summary

Cont. Build Prod. facility, Spot frac tanks - 24

#5-13-46 BTR 12/10/2010 06:00 - 12/11/2010 06:00

API/UWI State/Province County Field Name Well Status Total Depth (ft/KB) Primary Job Type 43-013-34115 UT Black Tail Ridge Concept 7,735.0 Drilling/Completion

Time Log Summary

Well Shut in Continue to build production facility

Continue to fill pit - 24

#5-13-46 BTR 12/11/2010 06:00 - 12/12/2010 06:00

API/UWI State/Province County Field Name Well Status Total Depth (ft/KB) Primary Job Type 43-013-34115 UT Black Tail Ridge Concept 7,735.0 Drilling/Completion

Time Log Summary

Well Shut in & Secured

Continue to build facility

Contiune to fill reserve pit - 24

#5-13-46 BTR 12/12/2010 06:00 - 12/13/2010 06:00

API/UWI State/Province County Field Name Well Status Total Depth (ftKB) Primary Job Type 43-013-34115 UT Black Tail Ridge Concept 7,735.0 Drilling/Completion

Time Log Summary

Well Shut in & Secured

No Activity on location

Tanks Full - 24

#5-13-46 BTR 12/13/2010 06:00 - 12/14/2010 06:00

API/UWI State/Province County Field Name Well Status Total Depth (ftKB) Primary Job Type
43-013-34115 UT DUCHESNE Black Tail Ridge Concept 7,735.0 Drilling/Completion

Time Log Summary

Well Shut in & Secured

No Activity - 24

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#5-13-46 BTR 12/14/2010 06:00 - 12/15/2010 06:00

Well Status Total Depth (ftKB) Primary Job Type State/Province County UT DUCHESNE Black Tail Ridge 43-013-34115 Concept 7,735.0 Drilling/Completion

Time Log Summary

Well Shut in & Secured

Insulation crew working

Prep for Fracs - 24

12/15/2010 06:00 - 12/16/2010 06:00 #5-13-46 BTR

Well Status Total Depth (ftKB) Primary Job Type County DUCHESNE 43-013-34115 Black Tail Ridge Concept 7,735.0 Drilling/Completion

Time Log Summary

Well Shut in & Secured

Electrical crew working

Prep for Fracs - 24

12/16/2010 06:00 - 12/17/2010 06:00 #5-13-46 BTR

API/UWI State/Province County Field Name Well Status Total Depth (ftKB) Primary Job Type 43-013-34115 UT **DUCHESNE** Black Tail Ridge Concept 7,735.0 Drilling/Completion

Time Log Summary

Well Shut in & Secured

MI Graywolf Flow Equipment with JD Trucking

Haul Gravel for Berms - Build Berms - 24

#5-13-46 BTR 12/17/2010 06:00 - 12/18/2010 06:00

Well Status Total Depth (ftKB) Primary Job Type API/UWI State/Province DUCHESNE Black Tail Ridge Drilling/Completion 43-013-34115 UT Concept 7,735.0

Time Log Summary

Well Shut in & Secured

RU Graywolf Equipment - 24

#5-13-46 BTR 12/18/2010 06:00 - 12/19/2010 06:00

API/UWI Well Status Total Depth (ftKB) Primary Job Type State/Province County **DUCHESNE** 43-013-34115 UT Black Tail Ridge Concept 7,735.0 Drilling/Completion

Time Log Summary

Well Shut in & Secured

RU Graywolf Equipment - 24

#5-13-46 BTR 12/19/2010 06:00 - 12/20/2010 06:00

API/UWI Well Status Total Depth (ftKB) Primary Job Type County DUCHESNE Black Tail Ridge Drilling/Completion 43-013-34115 UT Concept 7,735.0

Time Log Summary

Well Shut in & Secured

RU Graywolf Equipment - 24

#5-13-46 BTR 12/20/2010 06:00 - 12/21/2010 06:00

Well Status Total Depth (ftKB) Primary Job Type County 43-013-34115 UT **DUCHESNE** Black Tail Ridge Concept 7,735.0 Drilling/Completion

Time Log Summary

Welll Shut in & Secured

MIRU SLB Wireline Crew

MI SLB Frac Crew - Spot Equipment - 24

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#5-13-46 BTR 12/21/2010 06:00 - 12/22/2010 06:00

Well Status Total Depth (ftKB) Primary Job Type State/Province Field Name County UT DUCHESNE Black Tail Ridge 43-013-34115 Concept 7,735.0 Drilling/Completion

Time Log Summary

Well Shut in & Secured

Shut down equipment due to high volume of SNOW

Remove Snow from Roads

Well shut in till after Christmas - 24

#5-13-46 BTR 12/22/2010 06:00 - 12/23/2010 06:00

API/UWI

Well Status Total Depth (ftKB) Primary Job Type **DUCHESNE** 43-013-34115 Black Tail Ridge Concept 7,735.0 Drilling/Completion

Time Log Summary

Well Shut in & Secured

Shut down for Holiday - 24

#5-13-46 BTR 12/23/2010 06:00 - 12/24/2010 06:00

API/UWI County Field Name Well Status Total Depth (ftKB) Primary Job Type 43-013-34115 Drilling/Completion UT **DUCHESNE** Black Tail Ridge Concept 7,735.0

Time Log Summary

Well Shut in & Secured

Shut down for Holiday - 24

#5-13-46 BTR 12/24/2010 06:00 - 12/25/2010 06:00

API/UWI Well Status Total Depth (ftKB) Primary Job Type DUCHESNE 43-013-34115 Black Tail Ridge 7,735.0 Drilling/Completion Concept

Time Log Summary

Well Shut in & Secured

Shut down for Holiday - 24

#5-13-46 BTR 12/25/2010 06:00 - 12/26/2010 06:00

API/UWI Well Status Total Depth (ftKB) State/Province County Field Name Primary Job Type DUCHESNE 43-013-34115 UT Black Tail Ridge Concept 7,735.0 Drilling/Completion

Time Log Summary

Well Shut in & Secured

Shut down for Holiday - 24

#5-13-46 BTR 12/26/2010 06:00 - 12/27/2010 06:00

API/UWI Well Status Total Depth (ftKB) Field Name Primary Job Type State/Province County UT DUCHESNE Black Tail Ridge Drilling/Completion 43-013-34115 7,735.0 Concept

Time Log Summary

Well Shut in & Secured

MI to heat tanks for Fracs - 24

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#5-13-46 BTR 12/27/2010 06:00 - 12/28/2010 06:00

API/UWI State/Province County Field Name Well Status Total Depth (ftKB) Primary Job Type 43-013-34115 UT Black Tail Ridge Concept 7,735.0 Drilling/Completion

Time Log Summary

Well Shut in & Secured

Remove Snow from location - 3, MIRU SLB Wireline

Pressure Test Lubicator to 4000#

using 50/50 Methanol - 1, Schlumberger Wireline to TIH to perf Stage #1

TIH with 3-1/8" Guns, 120 Degree Phase, SLB 3106 PowerFrac Charges, 3 SPF

Correlate to Schlumberger Platform Express log Dated 11-20-2010

Perf 7546'-7550'

POOH, all shots fired, 12 Total Holes

Pump 50 Gals 50/50 Methanol into Well - 1200# - 1.5, MIRU IPS to pressure test Flow Iron

Test 7000# on Iron, 3500# on Sand Trap - 1.5, MIRU Schlumberger Frac Crew

Prep for Fracs - 5. Well Shut in & Secured

Monitor Pressure - 12

#5-13-46 BTR 12/28/2010 06:00 - 12/29/2010 06:00

API/UWI State/Province County Field Name Well Status Total Depth (ftKB) Primary Job Type
43-013-34115 UT DUCHESNE Black Tail Ridge Concept 7,735.0 Drilling/Completion

Time Log Summary

Well Shut in & Secured

RU SLB Frac Crew - 6, PPE, Cell Phone Use, Smoking, Pressure, Overhead Loads

Wireline Work, Clold Snow & Ice - 0.5, Open Well to Start Stage #1 945# Breakdown 4.6 BPM @ 2706#

ump 27,100 Gals 3% KCL Treated Water

Pump 1,240 Gals 15% HCL Acid 24 Bio Balls Good Ball Action
Pump 8,000 Gals 3% KCL X-L Fluid with 6,300# of 100 Mesh Sand

Pump 16,600 Gals 3% KCL X-L Fluid with 37,800# of 20/40 SLC

Pumped Avg Job Rate - 50.1 BPM Avg Job Psi - 4586#

Max Rate - 51 BPM Max Psi - 8522#

Total BBIs Pumped - 1256 BBLS

Flush Complete, ISIP - 2042# FG - 0.71

Bradenhead & Frac Mandrel monitored - BH - Max 0# - 1.5, Schlumberger Wireline to TIH to perf Stage #2

TIH with 3-1/8" Guns, 120 Degree Phase, SLB 3106 PowerFrac Charges, 3 SPF

Correlate to Schlumberger Platform Express log Dated 11-20-2010

Baker 8K CBP @ 7030' 1750#

Perf 6992'-6996', 6921'-6963', 6798'-6800'

POOH, all shots fired, 24 Total Holes - 1.5, Open Well to Start Stage #2 1070#

Pump 26,600 Gals 3% KCL Treated Water

 Pump
 2,489 Gals 15% HCL Acid
 48 Bio Balls
 Good Ball Action

 Pump
 11,800 Gals 3% KCL X-L Fluid with
 9,700# of 100 Mesh Sand

 Pump
 25,600 Gals 3% KCL X-L Fluid with
 60,100# of 20/40 SLC

Pumped Avg Job Rate - 69.9 BPM Avg Job Psi - 4270#

Max Rate - 71 BPM Max Psi - 7300#

Total BBIs Pumped - 1580 BBLS

Flush Complete, ISIP - 2000# FG - 0.70

Bradenhead & Frac Mandrel monitored - BH - Max 0#

Blow Air to dry Iron & Pumps - 2, Schlumberger Wireline to TIH to perf Stage #2 TIH with 3-1/8" Guns, 120 Degree Phase, SLB 3106 PowerFrac Charges, 3 SPF

Correlate to Schlumberger Platform Express log Dated 11-20-2010

Baker 8K CBP @ 6590' 1850#

Perf 6556'-6560', 6454'-6456', 6372'-6374' POOH, all shots fired, 24 Total Hole

Pump 50 Gals 50/50 Methanol into Well - 1.5, Well Shut in & Secured Monitor Pressure Overnight - 11

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Breakdown 4.6 BPM @ 4000#



#5-13-46 BTR 12/29/2010 06:00 - 12/30/2010 06:00

Total Depth (ftKB) Well Status Primary Job Type State/Province Field Name County UT DUCHESNE Black Tail Ridge 43-013-34115 Concept 7,735.0 Drilling/Completion

Time Log Summary

Well Shut in & Secured - 2, PPE, Cell Phone Use, Smoking, Pressure, Overhead Loads

Wireline Work, Cold, Snow & Ice - 0.5, Gel was circulated into suction manifold

clean Gel Monster out of Manifold

Lost 50 Gals of Gel - 5, Open Well to Start Stage #3 1752# Breakdown 5.0 BPM @ 4198#

26,300 Gals 3% KCL Treated Water

Pump 2,514 Gals 15% HCL Acid 48 Bio Balls Good Ball Action Pump 17,600 Gals 3% KCL X-L Fluid with 14,300# of 100 Mesh Sand 35,000 Gals 3% KCL X-L Fluid with Pump 86,000# of 20/40 SLC

Pumped Avg Job Rate - 70.0 BPM Avg Job Psi - 3839#

Max Rate - 71 BPM Max Psi - 7300#

Total BBIs Pumped - 1936 BBLS

Flush Complete, ISIP - 1757# FG - 0.71

Bradenhead & Frac Mandrel monitored - BH - Max 0#

Blow Air to dry Iron & Pumps - 2.5, Schlumberger Wireline to TIH to perf Stage #4 TIH with 3-1/8" Guns, 120 Degree Phase, SLB 3106 PowerFrac Charges, 3 SPF Correlate to Schlumberger Platform Express log Dated 11-20-2010

Baker 8K CBP @ 6350' 1440#

Perf 6320'-6322', 6266'-6268', 6236'-6238' Perf 6200'-6202', 6180'-6182' POOH, all shots fired, 30 Total Hole

Pump 50 Gals 50/50 Methanol into Well - 1.5, Well Shut in & Secured

Monitor Pressure Overnight - 12.5

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			FORM 9
	5.LEASE DESIGNATION AND SERIAL NUMBER: 20G0005608		
SUND	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE		
Do not use this form for proposition-hole depth, reenter plu DRILL form for such proposals.	sals to drill new wells, significantly deepo ugged wells, or to drill horizontal laterals	en existing wells below current . Use APPLICATION FOR PERMIT TO	7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: 5-13-46 BTR
2. NAME OF OPERATOR: BILL BARRETT CORP			9. API NUMBER: 43013341150000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300, D		HONE NUMBER: 312-8164 Ext	9. FIELD and POOL or WILDCAT: ALTAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2153 FNL 1039 FWL			COUNTY: DUCHESNE
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: SWNW Section: 13	IP, RANGE, MERIDIAN: 3 Township: 04.0S Range: 06.0W Meridia	an: U	STATE: UTAH
11. CHE	CK APPROPRIATE BOXES TO INDIC.	ATE NATURE OF NOTICE, REPORT	, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	☐ ACIDIZE	☐ ALTER CASING	CASING REPAIR
☐ NOTICE OF INTENT	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
Approximate date work will start:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
SUBSEQUENT REPORT	DEEPEN	☐ FRACTURE TREAT	□ NEW CONSTRUCTION
Date of Work Completion:	OPERATOR CHANGE	☐ PLUG AND ABANDON	□ PLUG BACK
SPUD REPORT Date of Spud:	✓ PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
/	L TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
✓ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION
1/7/2011	☐ WILDCAT WELL DETERMINATION	OTHER	OTHER:
12. DESCRIBE PROPOSED OR CO	 DMPLETED OPERATIONS. Clearly show all p	pertinent details including dates, depths,	volumes, etc.
First gas	sales 01/07/2011 First oil s	ales 01/12/2011	
			Accepted by the
			Utah Division of
		Oi	il, Gas and Mining
		FOI	RRECORREDONLY
NAME (PLEASE PRINT)	PHONE NUMBE		
Elaine Winick	303 293-9100	Sr. Permit Analyst	
SIGNATURE N/A		DATE 1/14/2011	

STATE OF UTAH			FORM 9		
DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING			5.LEASE DESIGNATION AND SERIAL NUMBER: 20G0005608		
SUNDR	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE				
Do not use this form for propos bottom-hole depth, reenter plu DRILL form for such proposals.	sals to drill new wells, significantly deepe igged wells, or to drill horizontal laterals.	en existing wells below current Use APPLICATION FOR PERMIT TO	7.UNIT or CA AGREEMENT NAME:		
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: 5-13-46 BTR		
2. NAME OF OPERATOR: BILL BARRETT CORP			9. API NUMBER: 43013341150000		
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , D		ONE NUMBER: 312-8164 Ext	9. FIELD and POOL or WILDCAT: ALTAMONT		
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2153 FNL 1039 FWL	D DANCE MEDICINA		COUNTY: DUCHESNE		
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: SWNW Section: 13	P, RANGE, MERIDIAN: 3 Township: 04.0S Range: 06.0W Meridia	an: U	STATE: UTAH		
11. CHE	CK APPROPRIATE BOXES TO INDICA	ATE NATURE OF NOTICE, REPORT,	OR OTHER DATA		
TYPE OF SUBMISSION		TYPE OF ACTION			
	ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR		
NOTICE OF INTENT Approximate date work will start:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME		
	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE		
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION		
	OPERATOR CHANGE	PLUG AND ABANDON	☐ PLUG BACK		
☐ SPUD REPORT	☐ PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION		
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON		
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL		
✓ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION		
1/1/2011	☐ WILDCAT WELL DETERMINATION	OTHER	OTHER:		
l .	MPLETED OPERATIONS. Clearly show all party 2011 Monthly Activity Re		olumes, etc.		
Janua	ily 2011 Monthly Activity Rep		Accepted by the		
			Utah Division of		
			l, Gas and Mining		
			RECORDONLY		
NAME (PLEASE PRINT) Brady Riley	PHONE NUMBE 303 312-8115	R TITLE Permit Analyst			
SIGNATURE N/A	555 512 5115	DATE 2/2/2011			



#5-13-46 BTR 1/1/2011 06:00 - 1/2/2011 06:00

API/UWI State/Province County Field Name Well Status Total Depth (ftKB) Primary Job Type
43-013-34115 UT DUCHESNE Black Tail Ridge Concept 7,735.0 Drilling/Completion

Time Log Summary

Well Shut in & Secured

Re-Fill Water & Sand - 24

#5-13-46 BTR 1/2/2011 06:00 - 1/3/2011 06:00

API/UWI State/Province County Field Name Well Status Total Depth (ftKB) Primary Job Type 43-013-34115 UT Black Tail Ridge Concept 7,735.0 Drilling/Completion

Time Log Summary

Well Shut in & Secured

Weather Cold -18, Hard to start equipment

Water temp down - 6, PPE, Cell Phone Use, Smoking, Pressure, Overhead Loads

Wireline Work, Cold, Snow & Ice - 0.5, Open Well to Start Stage #6 1008#

Pump 37,500 Gals 3% KCL Treated Water

Pump 3,970 Gals 15% HCL Acid 60 Bio Balls Some Ball Action

Pump 57,000 Gals 3% KCL X-L Fluid with 46,600# of 100 Mesh Sand

Pump 116,400 Gals 3% KCL X-L Fluid with 296,000# of 20/40 SLC

Pumped Avg Job Rate - 60.5 BPM Avg Job Psi - 2692#

Max Rate - 61 BPM Max Psi - 7612#

Total BBIs Pumped - 5114 BBLS

Flush Complete, ISIP - 1802# FG - 0.74

Bradenhead & Frac Mandrel monitored - BH - Max 0#

Blow Air to dry Iron & Pumps - 3, Schlumberger Wireline to TIH to perf Stage #7 TIH with 3-1/8" Guns, 120 Degree Phase, SLB 3106 PowerFrac Charges, 3 SPF Correlate to Schlumberger Platform Express log Dated 11-20-2010

Baker 8K CBP @ 5860' 1200#

Perf 5832'-5834', 5822'-5824', 5806'-5808'

Perf 5768'-5770', 5754'-5756', 5735'-5738', 5710'-5712'

POOH, all shots fired, 42 Total Hole

Pump 50 Gals 50/50 Methanol into Well - 2, Well Shut in & Secured

Re-Load Water & Sand - 12.5

Breakdown 5.0 BPM @ 1900#



#5-13-46 BTR 1/3/2011 06:00 - 1/4/2011 06:00

API/UWI State/Province County Field Name Well Status Total Depth (ftKB) Primary Job Type 43-013-34115 UT Black Tail Ridge Concept 7,735.0 Drilling/Completion

Time Log Summary

Well Shut in & Secured

Weather Cold -10,

Wait on last load os sand - 5, PPE, Cell Phone Use, Smoking, Pressure, Overhead Loads

Wireline Work, Cold, Snow & Ice - 0.5, Open Well to Start Stage #7 1104# Breakdown 5.6 BPM @ 1550#

Pump 33,600 Gals 3% KCL Treated Water

 Pump
 4,645 Gals 15% HCL Acid
 84 Bio Balls
 Some Ball Action

 Pump
 58,500 Gals 3% KCL X-L Fluid with
 51,500# of 100 Mesh Sand

 Pump
 101,300 Gals 3% KCL X-L Fluid with
 269,100# of 20/40 SLC

Pumped Avg Job Rate - 70.3 BPM Avg Job Psi - 2741#

Max Rate - 71 BPM Max Psi - 3200#

Total BBIs Pumped - 4712 BBLS

Flush Complete, ISIP - 1690# FG - 0.73

Bradenhead & Frac Mandrel monitored - BH - Max 0#

Blow Air to dry Iron & Pumps - 3, Schlumberger Wireline to TIH to Set Kill Plug

Baker 8K CBP @ 5650' 1200#

Pump 50 Gals 50/50 Methanol into Well - 2, RDMO Schlumberger Frac Crew & Wireline Crew Used Blade to pull trucks up hill. - 5, Well Shut in & Secured

Monitor pressure overnight - 8.5

#5-13-46 BTR 1/4/2011 06:00 - 1/5/2011 06:00

API/UWI State/Province County Field Name Well Status Total Depth (ftKB) Primary Job Type 43-013-34115 UT Black Tail Ridge Concept 7,735.0 Drilling/Completion

Time Log Summary

WSI - 1, JSA Safety Meeting - 0.5, Move Rig and equip. from #15-18, MIRU w/o Rig - 3, ND Frac Tree, NU BOP, Function test. - 0.5, RU workfloor & Tbg. equip. - 0.5, Spot Catwalk, Unload and talley Tbg. 245 Jts. of 2 7/8" L80 EUE. - 2, Spot & RU Rig pump & Foam N2 Unit. - 1, PU & RIH w/ 4 5/8" Chomp mill, 1 Jt. 2 7/8". XN Nipple, 1 Jt., X Nipple Cont. P/U 174 Jts., Pull 5 Stds. - 3, RU Tarps around Wellhead, RU airheater. - 0.5, Secure Well, SDFN - 12

#5-13-46 BTR 1/5/2011 06:00 - 1/6/2011 06:00

API/UWI State/Province UT County Field Name Well Status Total Depth (ftKB) Primary Job Type 43-013-34115 UT Black Tail Ridge Concept 7,735.0 Drilling/Completion

Time Log Summary

WSI - 1, JSA Safety Meeting - 0.5, TIH w/ Tbg., Tag Kill Plg., Laydown 1 Jt. - 0.5, Hard starting

RU Swivel - 1, Estalish Circ. w/ Rig pump.

Drillout Plgs. as follows:

KP @ 5650' no sand,

Csg.-450

Plg. @ 5860' 10' of sand

Csg.-500

Plg. @ 6032' 10' of sand

Csg.-600

Plg. @ 6168' 15' of sand

Csg.-550

Plg. @ 6350' 15' of sand

Csg.-750

Made 1 more connection.

Circ. Bottoms up w/ N2. - 7.5, Drain fluid equip.,

Secure well, SDFN - 1, WSI. - 12.5

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#5-13-46 BTR 1/6/2011 06:00 - 1/7/2011 06:00

Well Status County Total Depth (ftKB) Primary Job Type State/Province UT **DUCHESNE** 43-013-34115 Black Tail Ridge Concept 7,735.0 Drilling/Completion

Time Log Summary

WSI - 1, JSA Safety Meeting - 0.5, Open Csg.-800#

Make Connections to next plg. - 1, Drillout remaining plugs as follows:

Establish Circ. w/ Rig pump

Plg. @ 6590', 15' of sand

Csg.-750

Plg. @ 7030', 15' of sand

Csg.-750

Cleanout to PBTD @ 7611'

Circ. Bottoms up w/ Rig Pump.

Pump 20 Min. of N2 to Dry up tbg. - 4, RD swivel - 0.5, Laydown to landing depth, PU hanger, Flush Tbg. head w/ 10 Bbls., Stage thru stack, engage pins & Test.

Tubing Description: Tubing - Production Set Depth (ftKB): 5,575.5 Run Date: 2011/01/06 18:00 Pull Date:

Tubing Components

Item Description Btm (ftKB) Jts OD (in) ID (in) Wt (lbs/ft) Grade Top Thread Len (ft) Top (ftKB) 5,508.70 174 Tubing 2 7/8 2.441 6.5 L-80 8rd 5.508.67 0 Profile Nipple X 2 7/8 2.313 6.5 L-80 8rd 1.26 5,508.70 5,509.90 Tubing 2 7/8 2.441 6.5 L-80 8rd 31.67 5,509.90 5,541.60 Profile Nipple XN 2 7/8 L-80 1.29 5,542.90 2.205 6.5 8rd 5,541.60 Tubing 2 7/8 2.441 6.5 L-80 31.63 5,542.90 5,574.50 8rd

Pump Off Bit Sub 5,575.50 - 1, RD tbg. equip. & workfloor - 0.5, ND BOP, NU Tree 3 1/8 5,574.50 2.5 6.5 L-80 8rd 0.95

& Sales Line, Drop Ball, Pump off bit w/ 35 Bbls., - 1, RU Flowback equip. to Tbg., Secure well & Monitor over night. - 0.5, RDMO w/o rig & N2 unit. - 1, WSI - 13

#5-13-46 BTR 1/7/2011 06:00 - 1/8/2011 06:00

Well Status Total Depth (ftKB) Primary Job Type 43-013-34115 UT DUCHESNE Black Tail Ridge Concept 7,735.0 Drilling/Completion

Time Log Summary

Cont. Flowback thru test equip.

As of 05:30

Choke 24/64

FTP-520 SICP-900

Static-50

Gas temp-38*

Line temp-

Flow Rate-.114

BWRPH-39

Light Parifin

BWRL24hr-1517

BWRAF-3060

BWLTR-24079

trace sand PH-7

Oil recoverd after frac-17 Bbls. - 24

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#5-13-46 BTR 1/8/2011 06:00 - 1/9/2011 06:00

API/UWI State/Province County Field Name Well Status Total Depth (ftKB) Primary Job Type 43-013-34115 UT Black Tail Ridge Concept 7,735.0 Drilling/Completion

Time Log Summary

Cont. Flowback thru test equip.

As of 05:30

Choke 24/64

FTP-380

SICP-820

Static-50

Gas temp-38*

Line temp-

Flow Rate-..032

BWRPH-22

Light Parifin

BWRL24hr-1386

BWRAF-4446

BWLTR-22693

trace sand

PH-7

BORph-2

Oil recoverd after frac-123 Bbls.

BOL24hrs-106 - 24

#5-13-46 BTR 1/9/2011 06:00 - 1/10/2011 06:00

API/UWI State/Province County Field Name Well Status Total Depth (ftKB) Primary Job Type
43-013-34115 UT DUCHESNE Black Tail Ridge Concept 7,735.0 Drilling/Completion

Time Log Summary

Cont. Flowback thru test equip.

As of 05:30

Choke 24/64

FTP-300

SICP-860 Gas temp-94*

Flow Rate-..084

BWRPH-88

Light Parifin

BWRL24hr-1521

BWRAF-5968

BWLTR-21172

trace sand

PH-7 BORph-6

Oil recoverd after frac-274 Bbls.

BOL24hrs-151 - 24

#5-13-46 BTR 1/10/2011 06:00 - 1/11/2011 06:00

API/UWI State/Province County Field Name Well Status Total Depth (ftKB) Primary Job Type 43-013-34115 UT DUCHESNE Black Tail Ridge Concept 7,735.0 Drilling/Completion

Time Log Summary

Cont. Flowback thru test equip.

As of 05:30

Choke 24/64

FTP-290 SICP-920

Gas temp-94*

Flow Rate-..127

BWRPH-67

Light Parifin

BWRL24hr-1608

BWRAF-7247

BWLTR-19892

trace sand

PH-6.7 BORph-2

Oil recoverd after frac-368 Bbls.

BOL24hrs-94 - 24

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#5-13-46 BTR 1/11/2011 06:00 - 1/12/2011 06:00

County Well Status Total Depth (ftKB) Primary Job Type State/Province Field Name 43-013-34115 UT DUCHESNE Concept Drilling/Completion Black Tail Ridge 7,735.0

Well Status

Concept

Total Depth (ftKB)

7,735.0

Primary Job Type

Drilling/Completion

Time Log Summary

Cont. Flowback thru test equip.

As of 05:30

Choke 24/64

FTP-280

SICP-980

Gas temp-114*

Flow Rate-..072

BWRPH-46

Light Parifin

BWRL24hr-988 BWRAF-8235

BWLTR-18904

trace sand

PH-6.5

BORph-15

Oil recoverd after frac-555 Bbls.

BOL24hrs-187

MCF/D-.23 - 24

#5-13-46 BTR 1/12/2011 06:00 - 1/13/2011 06:00

State/Province County UT DUCHESNE Black Tail Ridge 43-013-34115

Time Log Summary

As of 05:30

Cont. Flowback thru test equip.

Choke 24/64

FTP-340

SICP-1100

Gas temp-103*

Flow Rate-..12

BWRPH-33

Light Parifin

BWRL24hr-976

BWRAF-9212

BWLTR-17928

trace sand

PH-6.5

BORph-6

Oil recoverd after frac-725 Bbls.

BOL24hrs-170

MCF/D-.23 - 24

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#5-13-46 BTR 1/13/2011 06:00 - 1/14/2011 06:00

Primary Job Type
Drilling/Completion Well Status State/Province County Field Name Total Depth (ftKB) 43-013-34115 UT DUCHESNE Black Tail Ridge Concept 7,735.0

Time Log Summary

Cont. Flowback thru test equip.

As of 8:000

Choke 24/64 FTP-380

SICP-1140 Gas temp-112*

Flow Rate-..144

BWRPH-29

Light Parifin

BWRL24hr-101

BWRAF-9351

BWLTR-17789

trace sand

PH-6.5

BORph-6

Oil recoverd after frac-760 Bbls.

BOL24hrs-32

MCF/D-.33 - 2, RD Flowback equip. & Clean Flowback tanks - 22

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Form 3160-4

pu dpk

UNITED STATES

FORM APPROVED OMB No. 1004-0137

### WELL COMPLETION OR RECOMPLETION REPORT AND LOG 1. Type of Wall 20 oil Well Gas Well Dry Other	(August 2007)			DEPART	MENT OF LA	OF T	MANAGI	EKIUK EKIUK	T						Expires	s: July 3	31, 2010
18. Type Well Gold		WELL CO								T Al	ND LO	G		20	G0005608	1	
D. Type of Completion D. New Well Work Over Deepon Plug Back Diff. Reavy	la Tune of V	vell M2 O	il Well	□ Gas W	ell (] Dr	, Do	ther						6. If I	ndian, Aliot	tee or	Tribe Name
2.			Ne Ne	w Well		- '			□ Pla	ug Ba	aek [Diff. Re	SVT.	7. Un	it or CA Ag	reemer	nt Name and No.
3. Addross 1009 18TH STREET SUITE 2000	2. Name of C)perator	DODAT	ION EI	Mail: bri	C	ontact: Bi	RADY I	RILEY								l No.
4. Toestiss of Well (Report location clearly and in accordance with Federal requirements)* At surface SWNNW 2153FNL 1039FWL At surface SWNNW 2153FNL 1039FWL At load depth SWNNW 2153FNL 1039FWL At load depth SWNNW 2153FNL 1039FWL 10. Date 5. Date 5. Date 5. D. Reached 10/14/2010 11. Date 5. D. Reached 11/14/2010 12. Date 5. D. Reached 11/14/2010 13. Date 5. D. Reached 11/14/2010 14. Date 5. D. Reached 11/14/2010 15. Date 5. D. Reached 11/14/2010 16. Date Completed 11/14/2010 17. Elevations (DF. KB, RT. GL.)* 18. Total Depth: MD 77.35 19. Plug Back T.D.: MD 7541 21. Pype Electric & Other Mechanization Lags Run (Submit copy of each) 17. Elevations (DF. KB, RT. GL.)* 22. Cassing and Liner Record (Report all strings ser in wall) 23. Cassing and Liner Record (Report all strings ser in wall) 14. Act 000 [16. Act 000 COND 0. 0 0 40 40 14. Act 000 [16. Act 000 COND 0. 0 0 40 40 14. Act 000 [16. Act 000 COND 0. 0 0 40 40 14. Act 000 [16. Act 000 COND 0. 0 0 40 40 14. Act 000 [16. Act 000 COND 0. 0 0 40 40 14. Act 000 [16. Act 000 COND 0. 0 0 40 40 14. Act 000 [16. Act 000 COND 0. 0 0 40 40 15. Size Depth Set (MD) Packer Depth (MD) Size Depth Set (MD) Packer Depth (MD) Size Depth Set (MD) Packer Depth (MD) 24. Tubing Record 5. Size Depth Set (MD) Packer Depth (MD) Size Depth Set (MD) Packer Depth (MD) Size Depth Set (MD) Packer Depth (MD) 25. Production Interval A Size Depth Set (MD) Packer Depth (MD) Size Depth Set (MD) Packer Depth (MD) 26. Performation Ton Bottom Performated Interval Size No. Holes Perf. Status Formation Ton Bottom Performated Interval Size No. Act On A	3 Address	1099 18TH	STREET	SUITE 23		icy (e.	, Jan Barrott	3 _R .	Phone I	No. (include a	rea code)		9. AF	l Well No.		43-013-34115
Al surface SWMW 2153FNL 1039FWL Al top prod interval reported below SWMW 2153FNL 1039FWL Al top prod interval reported below SWMW 2153FNL 1039FWL Al top prod interval reported below SWMW 2153FNL 1039FWL Al top prod interval reported below SWMW 2153FNL 1039FWL Al top prod interval reported below SWMW 2153FNL 1039FWL Al top prod interval reported below SWMW 2153FNL 1039FWL Al top prod interval reported below SWMW 2153FNL 1039FWL Al top prod interval reported below SWMW 2153FNL 1039FWL Al top prod interval reported IS. Dual Chapter	4. Location of	of Well (Repor	rt locatio	n clearly and	in acco	rdanc	e with Fed									l, or E	xploratory
At total depth SWNW 2153FNL 1039FWL 13. State DUCHESINE 13. State DUCHESINE DU	At surfac	c SWNW 2	2153FNI	L 1039FWL										11 5	ec T R N	4., or I	Block and Survey S R6W Mer UBM
A. Date Symbol Symb	At top pro					SFNL	1039FWI	L						12. C	ounty or Pa	rìsh	13. State
14. Disc spanned 171/19/2010	At total d	epth SWN	W 2153														1
18. Total Depht: TVD T735 19. Prug Back: I.D.: 19. Prug Ba							ed		ם חו	& A	T 🔀 R	teady to P	rod.	17. L	640	3 GL	
21. Type Electric & Other Mechanical Logs Rus (Submit copy of each)	18. Total De				_ [19. P	lug Back	Г.D.:)			20. Dej	olh Brid		7	rvd
Hole Size	21. Type Ele TRIPLE	ctric & Other COMBO,CA	Mechan LIPER	ical Logs Ru MUD CBL	ın (Subn	nit cor	y of each)				Was I	ST run?		No (🖣 Yes	(Submit analysis)
Hole Size	23. Casing an	d Liner Recor	d (Repor	rt all strings	set in w	ell)				Ţ							
14.750 10.750 55 45.5 0 2307 2307 1065 240 0	Hole Size	Size/Gra	ıde	WL (#/ft.)				1		ter					Cement T		Amount Pulled
14,750	26 24,000	16.34.000	COND			0	4	<u> </u>		40							
24. Tubing Record				45.5		0	230	7									16000
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Depth Set (MD) Pracker Depth (MD) Size Depth Set (MD) Pracker Depth (MD) Pracker Depth (MD)		<u> </u>								ㅗ			——				
Depth Interval Amount and Type of Material			T -		a	e.		-th Cat	O(D)	Da	okar Den	ah (MID)	Size	T _D	enth Set (M)	D)	Packer Depth (MD)
26. Perforation Record Formation Top Bottom Perforated Interval Size No. Holes Perf. Status			_	acker Depth	(MD)	S12	e De	pin Sei	(ML)	Fa	cker Dep	di (MD)	- Billo	 ~	p.a 0(1		
Formation			5/BJ				1 2	6. Perfe	ration R	ccor	ď						
A) WASATCH 6266 7550 6266 TO 7550 0.440 72 OPEN B) GREEN RIVER 5710 6238 5710 TO 6238 0.440 138 OPEN C) D) 27. Acid, Fracture, Treatment, Cement Squeeze, Etc. Depth Interval 6266 TO 7550 SEE ATTACHED; STAGES # 1-4 5710 TO 6238 SEE ATTACHED; STAGES # 4-7 28. Production - Interval A Data First Produced Data Totaled Data Totaled Production HBL VSC F HBL Cour API Charty 187.0 1.0 988.0 Gas.OH Water Gas.OH Well Status Rate BBL NCF BBL Rate BBL Rate BBL Rate BBL Rate BBL Rate Production Production BBL NCF BBL Rate BBL Rate BBL Rate Production BBL NCF BBL Gas.OH Cour API Charty 28. Production - Interval A Data First Total How Press Speech Status BBL NCF BBL Rate BBL Rate BBL Rate BBL Rate Production BBL NCF BBL Gas.OH Gravity 28. Production - Interval B Data First Total How Press Cg 24 Hr Production BBL NCF BBL Gas OU Water Gravity Production - Interval B Data First Total How Press Cg 24 Hr BBL NCF BBL Gas OU Water Gravity Production - Interval BBL NCF BBL Gas OU Water Gas.OU Well Status FEB 2 4 2011				Ton		Bot	tom		Perfora	ted h	aterval		Size		No. Holes		Perf. Status
Second S			TCH	<u></u>	6266						6266 T	O 7550	0.	440	72	OPE	N
Date First Production - Interval Production Production Production Production Production Production - Interval Production - Interval Production Productio											5710 T	O 6238	0.	440	138	OPE	N
Depth Interval Amount and Type of Material		CICLLIAIN														-	
Depth Interval Squeeze, Etc. Amount and Type of Material																	
Depth Interval 6266 TO 7550 SEE ATTACHED; STAGES # 1-4	27. Acid, F	racture, Treatr	nent, Cer	ment Squeez	e, Etc.												
28. Production - Interval A Date First Test Date First Test Date Test Production Date Test Production Date Da		Depth Interva	1							An	noun <u>t and</u>	Type of	Material				
28. Production - Interval A		62	66 TO 7	550 SEE AT	TACHE	D; ST	AGES # 1-	4									
Date First Produced Date Test Date Test Production Test Production Date Test Production Date Test Production Date Test Production Date Da		57	10 TO 6	238 SEE AT	TACHE	D; ST	AGES # 4-	7									
Date First Produced Date Test Date Test Production Test Production Date Test Production Date Test Production Date D																	
Date First Produced Date Test Date Test Production Test Production Date Test Production Date Test Production Date D												_					
Production Part Production Productio				Trast	Log		Gas	Water	10	Orl Gr	asity	Gas		Produ	ction Method		
O1/12/2011 O1/11/2011 24					BBL		MCF	BBL	1	Com A	API	Grav	ily		El C	WS FR	OM WELL
Choke The Press Size Flag 350 Press Size Flag	01/12/2011	01/11/2011				.0				Con C		Wat	Status	—	110		
28a, Production - Interval B Date First Produced Date Tested Production BBL MCF BBL Corr API Gas Gravity Choke The Press Cog 24 Hr Oil Gas Water BBL Ratio		Flwg. 350	Press	Rate	BBL.	_	MCF	BBI.	- 1			""					
Date First Produced Date Test Date Froduction Date Production Date Date Date Date Date Date Date Date					18		1	8	100		107,000						
Produced Dail: Tested Production BBL MCF BBL Corr API Gravity Choke The Press Csg 24 Hr Oil BBL MCF BBL Ratio	`		_	- I form	Tow		(.)	Water	1	Oil Gr	avily	Cas		Predu	one and all	TT:	VED
Choke The Press Cog 2411 On Mr. BB! Ratio													ity 				
											n)	Wel	Status		LFR	4	ZU11

	luction - Interv	/al C			Tax .		Ou Courts	Gas		Production Method	
te First iduced	Test Date	Hours Tested	Test Production	(hl BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gravety		Tion and the second	
oke te	Tog Press. Flwg.	Cag Press	24 Hr. Rale	Oil BBL	Lias MCF	Water BBL	Gas:Oil Rano	Well Sta	tus		
10. 0.	SI								·		
e First	luction - Inter	Hours	Test	Oil	Gas	Water	On! Gravity	Gas		Production Method	
oduced	Dele	Tested	Production	eBL.	MCF	BBL.	Corr. API	Gravity			
oke æ	Tog Press Flwg Sl	Cloge Press.	24 Hr. Rate	Coll BBL	MCF	Water BBL	GastOrl Ratio	Well St	etus		
29. Dispe	osition of Gas	(Sold, used	for fuel. ven	ted, etc.)				_			
SOL	mary of Porou	c Zones (Ir	rchide Amif	ers):					31. Fc	ormetion (Log) Markers	
Show tests,				annimute the	reof: Corec ne tool ope	l intervals an n, flowing ar	d all drill-stem Id shut-in pressures				
	Formation		Тор	Bottor	n	Descript	ions, Contents, etc	•		Name	Top Meas. Dep
									I B	REEN RIVER IAHOGANY GR3 OUGLAS CREEK ILACK SHALE CASTLE PEAK ITELAND BUTTE VASATCH	1941 2704 3832 4677 5432 5739 6025 6252
Co Pro	ditional remar nductor was nod cement to 3L mailed to 1	p verified	by CBL. S		d for periff	rac dala for	breakdown.				
Co Pro CE	nductor was od cement to 3L mailed to 1	cemented p verified : Vernal offi	by CBL. Sice.		i (or peri/f	rac dala for	breakdown.				
Co Pro CE	nductor was nd cement to 3L mailed to 1	cemented p verified Vernal officents	by CBL. Sice.	ee allached	1 for periff		breakdown. ogic Report	3	. DST	Report 4. Direc	tional Survey
33. Cir 1.	nductor was not cement to SL mailed to v rele enclosed a Electrical/Me Sundry Notice	cemented p verified Vernal office attachments chanical Le e for plugg	by CBL. So ce.	et req'd.)	ion	2. Geole 6. Core	ogic Report Analysis	7	Other	:	
33. Cir 1. 5.	nductor was nd cement to SL mailed to varied enclosed a Electrical/Me Sundry Notice	p verified Vernal office Attachments Schanical Le for plugg	by CBL. So ce. s: ogs (1 full so ing and cem cgomg and a	et req'd.)	ion	Geole Georgian Geomplete and	ogic Report Analysis I correct as determining the BLM RPORATION, se	ned from a Well Infor nt to the V	Other Il avail matior ernal	: able records (see attached instru system.	
33. Cir 1. 5.	nductor was not cement to SL mailed to v rele enclosed a Electrical/Me Sundry Notice	p verified Vernal office Attachments Schanical Le for plugg	by CBL. So ce. s: ogs (1 full so ing and cem cgomg and a	et req'd.)	ion	Geole Georgian Geomplete and	ogic Report Analysis I correct as determining the BLM RPORATION, se	ned from a	Other II avail mation ernal	: able records (see attached instru system.	

5-13-46 BTR Report Continued

		44. ACID, FR	ACTURE, TREATMENT	, CEMENT SQUEEZE,	ETC. (cont.)						
AMOUNT AND TYPE OF MATERIAL											
<u>Stage</u>	gals HCL 15 w/ Bio	gals YF120ST	Gals YF125ST w/SC	Gals Water	<u>100 Mesh</u>	20/40 SuperLC					
1	2430	17757	6393	52770	6372	37725					
2	2489	27396	9920	66346	9704	60011					
3	2514	37700	14201	81288	14217	85998					
4	3056	125935	47583	221181	47615	298078					
5	6236	169920	64278	283355	64673	399806					
. 6	3970	125849	47557	214769	48538	295973					
7	4645	108766	50933	197909	51496	269052					

^{*}Depth intervals for frac information same as perforation record intervals.

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Bill Barrett Corp

Duchesne County, UT (NAD 1927) Sec. 13-T4S-R6W #5-13-46 BTR

Plan A - Rev 0

Design: Sperry MWD Survey

Sperry Drilling ServicesStandard Report

16 February, 2011

Well Coordinates: 657,439.27 N, 2,274,962.97 E (40° 08' 03.12" N, 110° 30' 59.59" W)

Ground Level: 6,403.00 ft

Local Coordinate Origin:

Viewing Datum:

TVDs to System:

North Reference: Unit System:

Onit System.

Geodetic Scale Factor Applied Version: 2003.16 Build: 43I Centered on Well #5-13-46 BTR

KB @ 6419.00ft (Patterson 506)

N

True

API - US Survey Feet - Custom

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Design Report for #5-13-46 BTR - Sperry MWD Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
133.00	0.31	261.31	133.00	-0.05	-0.36	0.26	0.23
	MWD Survey			0.00	0.00	0.25	0.20
196.00	0.10	251.88	196.00	-0.10	-0.58	0.43	0.34
257.00	0.38	28.51	257.00	0.06	-0.53	0.28	0.75
317.00	0.67	14.94	317.00	0.58	-0.35	-0.24	0.52
		00.00					
377.00 440.00	0.36 0.32	28.80 248.64	376.99 4 39.99	1.08 1.19	-0.16	~0.75	0.55
501.00	0.32	233.69	4 39.99 500.99	0.87	-0.23 -0.74	-0.80	1.02
560.00	1.29	203.88	559.98	0.02	-0.74 -1.34	-0.23 0.81	0.83 1.21
621.00	1.29	181.03	620.97	-1.28	-1.63	2.01	0.83
683.00	1.36	177.48	682.95	-2.70	-1.61	3.12	0.21
743.00	0.81	163.38	742.94	-3.81	-1.46	3.90	1.01
804.00	0.17	162.41	803.94	-4.31	-1.31	4.20	1.05
864.00	0.98	186.13	863.93	-4.91	-1.34	4.69	1.38
924.00	1.83	190.15	923.91	-6.36	-1.56	5.97	1.43
987.00	1.45	201.41	986.89	-8.09	-2.03	7.63	0.79
1,050.00	0.58	176.60	1,049.88	-9.15	-2.30	8.63	1.52
1,114.00	0.85	122.11	1,113.87	-9.73	-1.88	8.82	1.09
1,177.00	1.33	184.37	1,176.86	-10.71	-1.54	9.38	1.90
1,241.00	0.98	193.27	1,240.85	-11.98	-1.72	10.50	0.61
1,305.00	0.51	151.04	1,304.85	-12.76	-1.71	11.11	1.08
1,368.00	0.71	122.85	1,367.84	-13.22	-1.25	11.18	0.56
1,431.00	0.17	194.93	1,430.84	-13.52	-0.94	11.23	1.08
1,495.00	0.50	336.45	1,494.84	-13.36	-1.08	11.19	1.00
1,559.00	0.48	59.37	1,558.84	-12.96	-0.96	10.81	1.01
1,622.00	0.68	93.58	1,621.83	-12.85	-0.36	10.35	0.62
1,685.00	0.68	126.23	1,684.83	-13.10	0.32	10.13	0.61
1,749.00	0.71	153.06	1,748.83	-13.68	0.80	10.28	0.51
1,813.00	0.29	188.77	1,812.82	-14.19	0.96	10.59	0.79
1,876.00	0.35	297.06	1,875.82	-14.26	0.76	10.77	0.83
1,940.00	0.24	249.65	1,939.82	-14.22	0.46	10.92	0.40
2,003.00	0.51	213.34	2,002.82	-14.50	0.18	11.31	0.55
2,067.00	0.79	205.85	2,066.82	-15.13	-0.17	12.03	0.46
2,130.00	0.54	193.51	2,129.81	-15.81	-0.42	12.72	0.46
2,194.00	0.29	189.30	2,193.81	-16.26	-0.52	13.14	0.39
2,239.00	0.50	175.32	2,238.81	-16.57	-0.52	13.38	0.51
2,313.00	0.80	171.69	2,312.80	-17.41	-0.42	13.97	0.41
2,377.00	1.48	159.06	2,376.79	-18.62	-0.06	14.71	1.13
2,440.00	0.84	188.59	2,439.78	-19.84	0.16	15.53	1.36
2,503.00	0.67	236.07	2,502.77	-20.50	-0.22	16.28	1.00
2,567.00	0.41	253.79	2,566.77	-20.77	-0.75	16.83	0.48
2,631.00	0.59	233.30	2,630.77	-21.03	-1.23	17.33	0.39
2,694.00	0.81	215.62	2,693.76	-21.59	-1.75	18.09	0.49
2,758.00	0.95	210.99	2,757.76	-22.41	-2.29	19.07	0.25
2,821.00	0.31	257.26	2,820.75	-22.90	- 2.72	19.72	1.22
2,884.00	0.61	232.27	2,883.75	-23.14	-3.15	20.17	0.56
2,948.00	0.69	272.09	2,947.75	-23.33	-3.8 1	20.73	0.70
3,011.00	1.29	339.99	3,010.74	-22.65	-4.43	20.58	1.92
3,074.00	1.96	341.32	3,073.71	-20.97	-5.02	19.61	1.07

Design Report for #5-13-46 BTR - Sperry MWD Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
3,138.00	1.74	350.20	3,137.68	-18.97	-5.53	18.35	0.56
3,202.00	1.89	39.25	3,201.65	-17.20	-5.03	16.65	2.36
3,265.00	1.92	50.55	3,264.62	-15.72	-3.56	14.58	0.60
3,328.00	1.55	53.17	3,327.59	-14.54	-2.06	12.73	0.60
3,391.00	1.07	70.32	3,390.57	-13.83	-0.83	11.41	0.98
3,455.00	0.50	87.83	3,454.57	-13.62	0.02	10.72	0.96
3,518.00	0.24	73.09	3,517.56	-13.57	0,42	10.44	0,44
3,581.00	0.24	195.98	3,580.56	-13.70	0.50	10.49	0.77
3,645.00	0.26	211.50	3,644.56	-13.99	0.37	10.79	0.14
3,708.00	0.45	227.43	3,707.56	-14.28	0.12	11.18	0.34
3,771.00	0.37	242.73	3,770.56	-14.54	-0.25	11.61	0.21
3,835.00	0.57	245.05	3,834.56	-14.76	-0.72	12.08	0.31
3,898.00	0.38	268.43	3,897.56	-14.76 -14.90	-0.72 -1.21	12.00	0.31
3,962.00	0.32	248.69	3,961.55	-14.97	-1.59	12.78	0.42
4,025.00	0.72	221.90	4,024.55	-15.33	-2.02	13.32	0.73
4,087.00	0.80	266.41	4,086.55	-15.65	-2.71	14.00	0.94
4,150.00	0.24	318.18	4,149.54	-15.58	-3.24	14.27	1.08
4,214.00	0.84	220.96	4,213.54	-15.83	-3.63	14.71	1.41
4,277.00	0.69	229.67	4,276.54	-16.43	-4.23	15.55	0.30
4,341.00	0.95	234.31	4,340.53	-16.99	-4 .95	16.43	0.42
4,403.00	0.57	265.13	4,402.52	-17.31	-5.68	17.14	0.88
4,467.00	0.31	240.44	4,466.52	-17.42	-6.14	17.51	0.49
4,530.00	1.01	198.23	4,529.52	-18.04	-6.47	18.19	1.28
4,594.00	1.38	211.55	4,593.50	-19,23	-7.05	19.49	0.72
4,657.00	1.10	220.30	4,656.49	-20.34	-7.83	20.85	0.72
4,721.00	0.52	216.26	4,720.48	-21.04	-8.40	21.75	0.91
4,784.00	0.38	252.51	4,783.48	-21.33	-8.77	22.21	0.49
4,848.00	1.11	212.04	4,847.48	-21.92	-9.30	23.00	1.34
4,911.00	1.38	220.62	4,910.46	-23.01	-10.12	24.37	0.52
4,975.00	1.05	228.10	4,974.45	-23.99	-11.06	25.71	0.57
5,038.00	0.90	201.59	5,037.44	-24.84	-11.67	26.76	0.75
•							
5,102.00	1.38	200.58	5,101.42 5,164.41	-26.03 -27.27	-12.13	27.97	0.75
5,165.00	1.23	218.15 300.21	•		-12.81	29.37	0.68
5,229.00 5,292.00	0.7 4 0.71	319.44	5,228.40	-27.60	-13.59	30.12 30.09	2.10
5,292.00	0.71	304.08	5,291.40 5,355.39	-27.10 -26.57	-14.20 -14.80	30.09	0.39 0.31
5,419.00	0.51	97.80	5,418.39	-26.38	-14.86	29.93	1.93
5,483.00	0.57	231.34	5,482.39	-26.61	-14.82	30.10	1.55
5,546.00	0.63	283.21	5,545.39	-26.73	-15.40	30.55	0.84
5,610.00	0.61	16.24	5,609.38	-26.32	-15.65	30.38	1.41
5,673.00	0.30	9.35	5,672.38	-25.84	-15.53	29.92	0.50
5,736.00	0.24	193.90	5,735.38	-25.80	-15.54	29.90	0.86
5,800.00	0.44	185. 4 6	5,799.38	- 26.18	-15.59	30.23	0.32
5,863.00	0.45	233.48	5,862.38	- 26.57	-15.81	30.67	0.57
5,927.00	0.67	260.84	5,926.38	-26.77	-16.39	31.19	0.53
5,991.00	0.55	179.69	5,990.37	-27.14	-16.75	31.70	1.25
6,054.00	0.52	200.62	6,053.37	-27.71	-16.85	32.21	0.31
6,118.00	0.46	257.55	6,117.37	-28.04	-17.20	32.69	0.73
6,182.00	0.28	226.29	6,181.37	-28.20	-17.57	33.04	0.41
6,245.00	0.21	316.30	6,244.37	-28.23	-17.76	33.18	0.56
6,308.00	0.35	308.02	6,307.37	-28.02	-17.99	33.16	0.23
							

Design Report for #5-13-46 BTR - Sperry MWD Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
6,371.00	0.28	329.76	6,370.36	-27.77	-18.22	33.10	0.22
6,435.00	0.60	207.51	6,434.36	-27.93	-18.45	33.37	1.23
6,499.00	0.62	261.71	6,498.36	-28.28	-18.95	33.95	0.87
6,562.00	0.39	200.94	6,561.36	-28.53	-19.37	34.40	0.87
6,626.00	0.13	356.83	6,625.36	-28.66	-19.45	34.56	0.80
6,689.00	0.26	119.81	6,688.36	-28.66	-19.33	34.48	0.55
6,753.00	0.44	209.36	6,752.36	-28.9 5	-19.32	34.71	0.80
6,816.00	0.27	164.73	6,815.36	-29.30	-19.40	35.03	0.50
6,880.00	0.24	356.56	6,879.36	-29.31	-19.37	35.02	0.79
6,943.00	0.62	250.34	6,942.35	-29.30	-19.70	35.21	1.15
7,007.00	0.58	294.29	7,006.35	-29.28	-20.32	35.58	0.70
7,070.00	0.54	302.65	7,069.35	- 28.99	-20.86	35.69	0.14
7,134.00	0.29	261.10	7,133.35	<i>-</i> 28.85	-21.27	35.83	0.59
7,197.00	0.63	251.46	7,196.34	- 28.98	-21.76	36.24	0.55
7,261.00	0.67	249.77	7,260.34	-29.23	-22.44	36.85	0.07
7,324.00	0.64	245.75	7,323.34	-29.50	-23.11	37.47	0.09
7,388.00	0.91	226.70	7,387.33	-29.99	-23.81	38.29	0.58
7,451.00	1.15	215.69	7,450.32	-30.85	-24.54	39.42	0.49
7,515.00	1.02	219.25	7,514.31	-31.81	-25.28	40.63	0.23
7,579.00	1.46	209.65	7,578.29	-32.96	-26.04	42.01	0.76
7,685.00	1.92	217.24	7,684.25	-35.55	-27.78	45.12	0.48
Final Sperry	y MWD Survey	,					
7,735.00	1.92	217.24	7,734.22	-36.88	-28.80	46.79	0.00
Straight Lin	e Projection to	o TD @ 7735 f	t				

Design Annotations

Measured	Vertical	Local Coor	dinates	
Depth (ft)	Depth (ft)	+N/-S (ft)	+E/-W (ft)	Comment
133.00	133.00	-0.05	-0.36	First Sperry MWD Survey
7,685.00	7,684.25	-35.55	-27.78	Final Sperry MWD Survey
7.735.00	7.734.22	-36.88	-28.80	Straight Line Projection to TD @ 7735 ft

Vertical Section Information

Angle			Origin	Orig	jin	Start
Туре	Target	Azimuth (°)	Туре	+N/_S (ft)	+E/-W (ft)	TVD (ft)
User	No Target (Freehand)	218.01	Slot	0.00	0.00	0.00

Survey tool program

From	To		Survey/Plan	Survey Tool
(ft)	(ft)			
133.00	7,735.00	Sperry MWD Surveys		MWD

Design Report for #5-13-46 BTR - Sperry MWD Survey

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ı a	u	313

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
5-13-46 BTR_PlanA	0.00	0.00	7,429.00	0.00	0.00	657,439.27	2,274,962.97	40° 8' 3.120 N	110° 30' 59.591 V
actual wellpathPoint	misses ta	rget cen	ter by 39.00ft	at 7428.98ft N	MD (7428.30	TVD, -30.51	N, -24.28 E)		
5-13-46 BTR_PlanA	0.00	0.00	5,509.00	0.00	0.00	657,439.27	2,274,962.97	40° 8' 3.120 N	110° 30' 59.591 V

⁻ actual wellpath misses target center by 30.67ft at 5509.42ft MD (5508.81 TVD, -26.73 N, -15.04 E) - Circle (radius 200.00)

North Reference Sheet for Sec. 13-T4S-R6W - #5-13-46 BTR - Plan A - Rev 0

All data is in US Feet unless otherwise stated. Directions and Coordinates are relative to True North Reference.

Vertical Depths are relative to KB @ 6419.00ft (Patterson 506). Northing and Easting are relative to #5-13-46 BTR

Coordinate System is US State Plane 1927 (Exact solution), Utah Central 4302 using datum NAD 1927 (NADCON CONUS), ellipsoid Clarke 1866 Projection method is Lambert Conformal Conic (2 parallel)

Central Meridian is 111° 30' 0.000 W°, Longitude Origin:0° 0' 0.000 E°, Latitude Origin:40° 39' 0.000 N°

False Easting: 2,000,000.00ft, False Northing: 0.00ft, Scale Reduction: 0.99991243

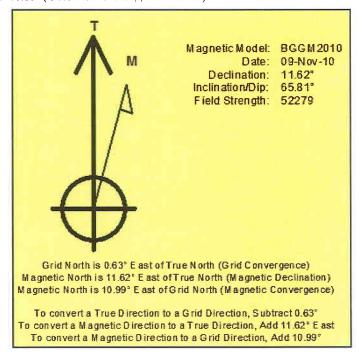
Grid Coordinates of Well: 657,439.27 ft N, 2,274,962.97 ft E

Geographical Coordinates of Well: 40° 08' 03.12" N, 110° 30' 59.59" W

Grid Convergence at Surface is: 0.63°

Based upon Minimum Curvature type calculations, at a Measured Depth of 7,735.00ft the Bottom Hole Displacement is 46.79ft in the Direction of 217.98° (True).

Magnetic Convergence at surface is: -10.99° (9 November 2010, , BGGM2010)



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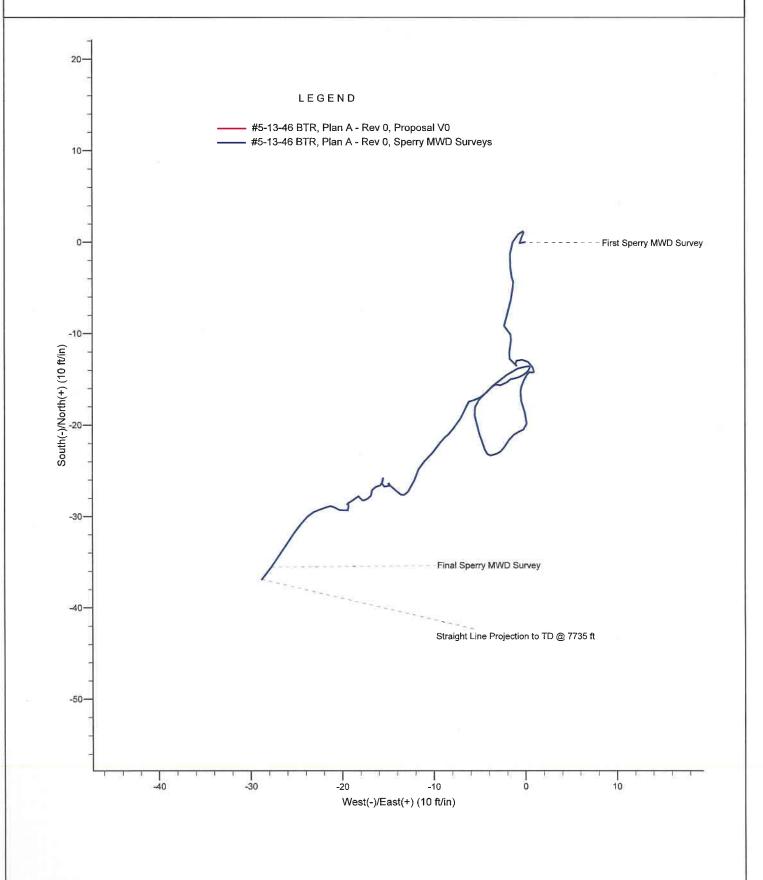
DIV. OF OIL, GAS & MINIMO

Project: Duchesne County, UT (NAD 1927) Site: Sec. 13-T4S-R6W Well: #5-13-46 BTR

Bill Barrett Corp



Sperry Drilling

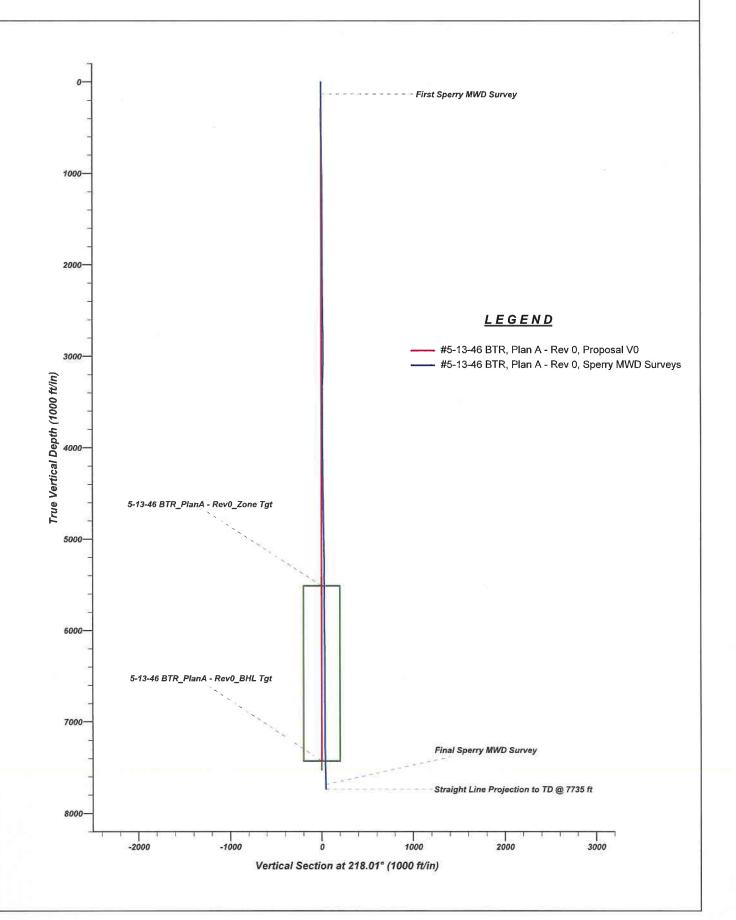


Project: Duchesne County, UT (NAD 1927)

Site: Sec. 13-T4S-R6W Well: #5-13-46 BTR

Bill Barrett Corp





FORM 6

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES

			ENTITY ACTION	FORM				
Operator:	Bill Bar	rett Corporation		Ope	rator Ac	count N	ımber: N	2165
ddress:	1099 1	8th Street, Suite 2300		464	, _ (0, , (0			
	city De	nver						
	state C	0	zip 80202		F	hone Nu	mber: (3	303) 312-8115
Well 1								
API Nur	nber	Well	Name	QQ	Sec	Twp	Rng	County
430133	4115	5-13-46 BTR		SWNW	13	48	6W	DUCHESNE
Action (Code	Current Entity Number	New Entity Number	Sı	pud Da	te		ty Assignment fective Date
Ε	. =	17833	17833				1/	3/11
Comments Well 2	Entity	formation code change	from WSTC to GR-WS	<u>-</u>	WH:		3,	10/11
API Nur	nber	Well	Name	QQ	Sec	Twp	Rng	County
Action (ode	Current Entity Number	New Entity Number	Sı	oud Dat	ie		y Assignment fective Date
Comments	i:				•			

Well 3

API Number	Pl Number Well Name				Twp	Rng County				
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date				
Comments:										

ACTION CODES:

- A Establish new entity for new well (single well only)
- B Add new well to existing entity (group or unit well)
- C Re-assign well from one existing entity to another existing entity
- D Re-assign well from one existing entity PENETVED
- E Other (Explain in 'comments' section)

MAR 0 1 2011

RKADA KITE	١	ĺ			
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Name (Please Print)

Signature PERMIT ANALY\$T

2/25/2011

Title

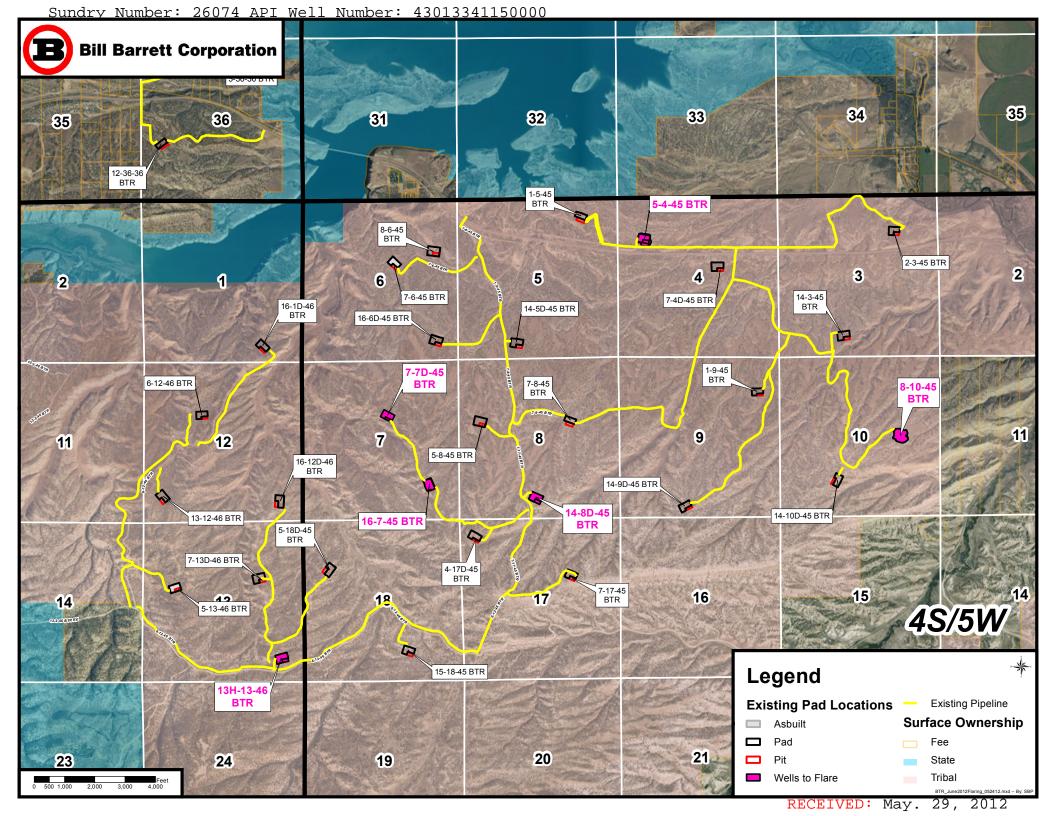
Date

Sundry Number: 26074 API Well Number: 43013341150000 FEDERAL APPROVAL OF THIS ACTION IS NECESSARY

	STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES		FORM 9
	DIVISION OF OIL, GAS, AND MINING	3	5.LEASE DESIGNATION AND SERIAL NUMBER: 20G0005608
SUNDF	RY NOTICES AND REPORTS ON	WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
	oposals to drill new wells, significantly deep reenter plugged wells, or to drill horizontal I n for such proposals.		7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: 5-13-46 BTR
2. NAME OF OPERATOR: BILL BARRETT CORP			9. API NUMBER: 43013341150000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300		NE NUMBER: 312-8164 Ext	9. FIELD and POOL or WILDCAT: ALTAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2153 FNL 1039 FWL			COUNTY: DUCHESNE
QTR/QTR, SECTION, TOWNSI Qtr/Qtr: SWNW Section:	HIP, RANGE, MERIDIAN: 13 Township: 04.0S Range: 06.0W Meridian	: U	STATE: UTAH
11. CHEC	K APPROPRIATE BOXES TO INDICATE N	ATURE OF NOTICE, REPOR	T, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
NOTICE OF INTENT Approximate date work will start: 5/31/2012 SUBSEQUENT REPORT Date of Work Completion: SPUD REPORT Date of Spud: DRILLING REPORT Report Date:	CHANGE TO PREVIOUS PLANS CHANGE WELL STATUS DEEPEN OPERATOR CHANGE PRODUCTION START OR RESUME REPERFORATE CURRENT FORMATION TUBING REPAIR WATER SHUTOFF	CHANGE TUBING CHANGE TUBING COMMINGLE PRODUCING FORMATIONS FRACTURE TREAT PLUG AND ABANDON RECLAMATION OF WELL SITE SIDETRACK TO REPAIR WELL VENT OR FLARE SI TA STATUS EXTENSION DITHER	CASING REPAIR CHANGE WELL NAME CONVERT WELL TYPE NEW CONSTRUCTION PLUG BACK RECOMPLETE DIFFERENT FORMATION TEMPORARY ABANDON WATER DISPOSAL APD EXTENSION OTHER:
BBC hereby red Blacktail Ridge deve Paso upgrades th current gas pro approximately eliminate the curren surface facility safe	quests permission to flare tribal I elopment area located in the Staneir existing 6-inch pipeline to a oduction rates. Current operatin 100 psi and the upgrade of the t back pressure concerns such a ty issues, production curtailment eries. Additional details are atta	ease wells in our rvation area while El 12-inch to handle g pressures are existing line will as reservoir damage, it and lower wellbore	Accepted by the Utah Division of Oil, Gas and Mining Date: June 14, 2012 By: Day K. Durf
NAME (PLEASE PRINT) Venessa Langmacher	PHONE NUMBER 303 312-8172	TITLE Senior Permit Analyst	
SIGNATURE N/A		DATE 5/29/2012	

Sundry Number: 26074 API Well Number: 43013341150000

The gas will be flared at the six locations shown on the attached map (5-4-45, 7-7D-45, 8-10-45, 13H-13-46, 14-8D-45, or 16-7-45 wellsites). The flares utilized for combusting the gas have a combustion efficiency of approximately 98%. There are no other delivery points besides the bridge crossing at this point; therefore, associated gas from the oil wells will be flared to continue production of tribal minerals. BBC is requesting flare approval from May 31, 2012 to July 31, 2012 to allow for any potential construction delays. BBC would immediately begin flowing to the pipeline at such time construction is complete. Emergency Dispatch will be notified of the flaring operations. The flaring will also be monitored 24 hours a day by BBC personnel. BBC will still be metering the gas at the wellhead to continue royalty payments. BBC has spoken with the tribe and received their acceptance 05/24/2012 and received BLM sundry approval on 5/24/12.



Sundry Number: 51796 API Well Number: 43013341150000

	STATE OF UTAH				FORM 9
	DEPARTMENT OF NATURAL RESOUR DIVISION OF OIL, GAS, AND MI		6	5.LEASE DESIGNATION AND SER 14-20-H62-6368:	IAL NUMBER:
SUNDR	RY NOTICES AND REPORTS	ON	WELLS	6. IF INDIAN, ALLOTTEE OR TRIB UTE	E NAME:
	posals to drill new wells, significantly reenter plugged wells, or to drill horiz n for such proposals.			7.UNIT or CA AGREEMENT NAME	i:
1. TYPE OF WELL Oil Well				8. WELL NAME and NUMBER: 5-13-46 BTR	
2. NAME OF OPERATOR: BILL BARRETT CORP				9. API NUMBER: 43013341150000	
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300	, Denver, CO, 80202		NE NUMBER: 312-8134 Ext	9. FIELD and POOL or WILDCAT: ALTAMONT	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2153 FNL 1039 FWL				COUNTY: DUCHESNE	
QTR/QTR, SECTION, TOWNSH	HIP, RANGE, MERIDIAN: 13 Township: 04.0S Range: 06.0W Me	eridian	: U	STATE: UTAH	
11. CHEC	K APPROPRIATE BOXES TO INDICA	ATE N	ATURE OF NOTICE, REPOR	T, OR OTHER DATA	
TYPE OF SUBMISSION			TYPE OF ACTION		
	ACIDIZE		ALTER CASING	CASING REPAIR	
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS		CHANGE TUBING	CHANGE WELL NAME	
	CHANGE WELL STATUS		COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE	
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN		FRACTURE TREAT	NEW CONSTRUCTION	
2/9/2011	OPERATOR CHANGE		PLUG AND ABANDON	PLUG BACK	
SPUD REPORT	PRODUCTION START OR RESUME		RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORM	ATION
Date of Spud:	REPERFORATE CURRENT FORMATION		SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON	
	TUBING REPAIR		/ENT OR FLARE	WATER DISPOSAL	
DRILLING REPORT Report Date:	WATER SHUTOFF		SI TA STATUS EXTENSION	APD EXTENSION	
·	WILDCAT WELL DETERMINATION	1	THER	OTHER: Earned Lease	_
40 DECORIDE PROPOSED OR					
l .	completed operations. Clearly shows been earned for this well. 14-20-H62-6368			Accepted by the Utah Division of Oil, Gas and Mining FORUSEC, ORD	ONLY
NAME (PLEASE PRINT) Christina Hirtler	PHONE NUM 303 312-8597	BER	TITLE Administrative Assistant		
SIGNATURE			DATE 6/3/2014		
N/A			∥ 0/3/4014		

Division of Oil, Gas and Mining

Operator Change/Name Change Worksheet-for State use only

Effective Date:

11/1/2016

FORMER OPERATOR:	NEW OPERATOR:
Bill Barrett Corporation	Rig II, LLC
1099 18th Street, Suite 2300	1582 West 2600 South
Denver, CO 80202	Woods Cross, UT 84087
CA Number(s):	Unit(s):

WELL INFORMATION:

Well Name	Sec	TWN	RNG	API	Entity	Mineral	Surface	Type	Status
See Attached List									

OPERATOR CHANGES DOCUMENTATION:

1. Sundry or legal documentation was received from the **FORMER** operator on:

10/21/2016

2. Sundry or legal documentation was received from the NEW operator on:

10/21/2016

3. New operator Division of Corporations Business Number:

8256968-0160

REVIEW:

1. Surface Agreement Sundry from NEW operator on Fee Surface wells received on:

N/A

2. Receipt of Acceptance of Drilling Procedures for APD on:

10/21/2016

3. Reports current for Production/Disposition & Sundries:

11/2/2016

4. OPS/SI/TA well(s) reviewed for full cost bonding:

11/3/2016

5. UIC5 on all disposal/injection/storage well(s) approved on:

11/3/2016

6. Surface Facility(s) included in operator change:

None

7. Inspections of PA state/fee well sites complete on (only upon operators request):

11/3/2016

NEW OPERATOR BOND VERIFICATION:

1. Federal well(s) covered by Bond Number:

UTB000712

2. Indian well(s) covered by Bond Number:

LPM 922467

3.State/fee well(s) covered by Bond Number(s):

9219529

DATA ENTRY:

1. Well(s) update in the OGIS on:

11/7/2016

2. Entity Number(s) updated in OGIS on:

11/7/2016

3. Unit(s) operator number update in OGIS on:

N/A

4. Surface Facilities update in OGIS on:

N/A

5. State/Fee well(s) attached to bond(s) in RBDMS on:

11/7/2016

6. Surface Facilities update in RBDMS on:

N/A

COMMENTS:

Well Name	Sec	TWN	RNG	API Number	Entity	Mineral	Surface	Туре	Status
SWD 9-36 BTR	9	0308	060W	4301350646	18077	Indian	Fee	WD	Α
16-6D-46 BTR SWD	6	040S	060W	4301350781	18327	Indian	Fee	WD	Α
6-32-36 BTR SWD	32	030S	060W	4301350921	18329	Indian	Fee	WD	Α
LC TRIBAL 8-26D-47	26	040S	070W	4301334024		Indian	Indian	OW	APD
16-21D-37 BTR	21	030S	070W	4301350758		Indian	Fee	OW	APD
14-11D-37 BTR	11	030S	070W	4301350862		Indian	Fee	OW	APD
7-17D-46 BTR	17	040\$	060W	4301350883		Indian	Indian	OW	APD
14-12D-37 BTR	12	030S	070W	4301350894		Indian	Fee	OW	APD
1-18D-36 BTR	18	030S	060W	4301350922		Indian	Fee	OW	APD
13-2D-45 BTR	2	040S	050W	4301350931		Indian	Indian	OW	APD
5H-16-46 BTR	16	040S	060W	4301350992		Indian	Indian	OW	APD
9H-17-45 BTR	17	040S	050W	4301351098		Indian	Indian	OW	APD
13H-8-46 BTR UB	8	040S	060W	4301351124		Indian	Indian	OW	APD
BH-9-46 BTR	9	040S	060W	4301351140		Indian	Indian	ow	APD
_C TRIBAL 7-31D-37	31	030S	070W	4301351147		Indian	Fee	ow	APD
14-16D-45 BTR	16	040S	050W	4301351178		Indian	Indian	ow	APD
16-19D-37 BTR	19	030S	070W	4301351179		Indian	Fee	OW	APD
6-2D-45 BTR	2	040S	050W	4301351234		Indian	Indian	ow	APD
2-2D-45 BTR	2	040S	050W	4301351235		Indian	Indian	ow	APD
10-26-35 BTR	26	030S	050W	4301351248		Indian	Fee	OW	APD
C TRIBAL 1H-33-46	33	040S	060W	4301351257		Indian	Fee	ow	APD
_C TRIBAL 9-25D-46	25	040S	060W	4301351276		Indian	Indian	ow	APD
C TRIBAL 8H-30-45	30	040S	050W	4301351277	(8.7)	Indian	Indian	OW	APD
_C TRIBAL 16H-30-45	30	040S	050W	4301351279		Indian	Indian	ow	APD
_C TRIBAL 13-30D-45	30	040S	050W	4301351282		Indian	Indian	ow	APD
_C TRIBAL 16H-36-46	36	040S	060W	4301351291		Indian	Indian	OW	APD
C TRIBAL 13H-30-46	30	040S	060W	4301351321		Indian	Indian	OW	APD
C TRIBAL 13H-31-46	31	040S	060W	4301351326		Indian	Indian	OW	APD
_C TRIBAL 16-31D-46	31	040S	060W	4301351328		Indian	Indian	OW	APD
C TRIBAL 5H-26-47	26	040S	070W	4301351337		Indian	Indian	OW	APD
_C TRIBAL 5H-19-45	20	040S	050W	4301351349		Indian	Indian	OW	APD
C TRIBAL 16-36D-47	36	040S	070W	4301351363		Indian	Indian	OW	APD
15-4D-47 BTR	4	040S	070W	4301351377		Indian	Fee	OW	APD
16-23D-46 LC TRIBAL	23	040S	060W	4301351396		Indian	Fee	ow	APD
15-2D-36 BTR	2	030S	060W	4301351419		Indian	Fee	OW	APD
16-23D-37 BTR	23	030S	070W	4301351420	1	Indian	Fee	ow	APD
11-9D-47 BTR	9	040S	070W	4301351422		Indian	Fee	OW	APD
15-13D-47 BTR	13	040S	070W	4301351424		Indian	Indian	OW	APD
_C TRIBAL 15-19D-46	19	040S	060W	4301351426		Indian	Indian	OW	APD
16-13D-45 BTR	13	040S	050W	4301351428		Indian	Indian	OW	APD

14-12D-45 BTR	12	040S	050W	4301351444	Indian	Indian	OW	APD
16-14D-45 BTR	14	040S	050W	4301351445	Indian	Indian	OW	APD
5-13D-45 BTR	13	040S	050W	4301351446	Indian	Indian	OW	APD
LC TRIBAL 16-26D-46	26	040S	060W	4301351450	Indian	State	OW	APD
LC TRIBAL 10-20D-40	34	0408	060W	4301351451				
16-12D-45 BTR	12	040S	050W	4301351451	Indian Indian	State Indian	OW	APD
8-12D-45 BTR	12	040S	050W	4301351452			OW	APD
LC TRIBAL 1-35D-46	35	040S	060W		Indian	Indian	OW	APD
16-25D-37 BTR		0405	070W	4301351454	Indian	Fee	OW	APD
LC TRIBAL 13H-29-46	25			4301351455	Indian	Fee	OW	APD
	28	0408	060W	4301351462	Indian	Fee	OW	APD
LC TRIBAL 14-30D-37	30	0308	070W	4301351494	Indian	Fee	OW	APD
7-13D-45 BTR	13	0408	050W	4301351497	Indian	Indian	OW	APD
LC TRIBAL 4H-35-46	35	0408	060W	4301351515	Indian	Fee	OW	APD
LC TRIBAL 13H-19-46	19	040\$	060W	4301351543	Indian	Indian	OW	APD
16-26D-37 BTR	26	030S	070W	4301351598	Indian	Fee	OW	APD
LC TRIBAL 16-31D-37	31	030\$	070W	4301351610	Indian	Fee	OW	APD
5-4-35 BTR	4	030S	050W	4301351613	Indian	Fee	OW	APD
LC TRIBAL 16-31D-47	31	040S	070W	4301351616	Indian	Indian	OW	APD
LC TRIBAL 13H-31-47	31	040S	070W	4301351617	Indian	Indian	OW	APD
LC TRIBAL 13-32D-47	32	040S	070W	4301351619	Indian	Indian	OW	APD
LC TRIBAL 16H-32-47	32	040S	070W	4301351620	Indian	Indian	OW	APD
LC TRIBAL 1-32D-47	32	040S	070W	4301351624	Indian	Indian	OW	APD
LC TRIBAL 4H-32-47	32	040S	070W	4301351625	Indian	Indian	OW	APD
LC TRIBAL 13-28D-47	28	040S	070W	4301351627	Indian	Indian	OW	APD
LC TRIBAL 13H-29-47	28	040S	070W	4301351628	Indian	Indian	OW	APD
LC TRIBAL 16H-28-47	28	040S	070W	4301351629	Indian	Indian	OW	APD
LC TRIBAL 1-28D-47	28	040S	070W	4301351639	Indian	Indian	OW	APD
LC TRIBAL 1H-27-47	28	040S	070W	4301351640	Indian	Indian	OW	APD
LC TRIBAL 4H-28-47	28	040S	070W	4301351641	Indian	Indian	OW	APD
LC TRIBAL 7-25D-58	25	050S	W080	4301351643	Indian	Indian	OW	APD
LC TRIBAL 6-25D-58	25	050S	080W	4301351644	Indian	Indian	OW	APD
LC TRIBAL 13H-24-58	24	050S	W080	4301351645	Indian	Indian	OW	APD
LC TRIBAL 16-24D-58	24	050S	080W	4301351646	Indian	Indian	OW	APD
LC Tribal 8-23D-46	23	040S	060W	4301351654	Indian	Fee	OW	APD
LC Tribal 16-35D-45	35	040S	050W	4301351656	Indian	Fee	OW	APD
LC Tribal 13H-35-45	35	040S	050W	4301351657	Indian	Fee	ow	APD
LC Tribal 16-36D-45	36	040S	050W	4301351658	Indian	Fee	ow	APD
LC Tribal 13H-36-45	36	040S	050W	4301351659	Indian	Fee	OW	APD
LC Tribal 5-36D-45	36	0408	050W	4301351661	Indian	Fee	OW	APD
LC Tribal 8-26D-46	26	040\$	060W	4301351663	Indian	Fee	OW	APD
3-29D-36 BTR	29	0308	060W	4301351665	Indian	Fee	OW	APD

LC Tribal 5-35D-45	35	040S	050W	4301351666	Indian	Fee	OW	APD
_C Tribal 5-24D-46	24	0408	060W	4301351668	Indian	Indian	ow	APD
_C TRIBAL 6-12D-58	12	0508	080W	4301351696	Indian	Indian	OW	APD
LC TRIBAL 8-12D-58	12	050S	080W	4301351697	Indian	Indian	OW	APD
.C TRIBAL 16H-22-47	21	040S	070W	4301351700	Indian	Indian	OW	APD
5-25D-37 BTR	25	030S	070W	4301351803	Indian	Fee	OW	APD
8-3D-36 BTR	3	0308	060W	4301351804	Indian	Fee	OW	APD
14-26D-37 BTR	26	0308	070W	4301351805	Indian	Fee	OW	APD
9-4-35 BTR	4	0308	050W	4301351806	Indian	Fee	ow	APD
11-4D-35 BTR	4	030S	050W	4301351807	Indian	Fee	OW	APD
16-27D-37 BTR	27	0308	070W	4301351808	Indian	Fee	OW	APD
14-27D-37 BTR	27	0308	070W	4301351809	Indian	Fee	OW	APD
14-16D-46 BTR	16	040S	060W	4301351812	Indian	Indian	OW	APD
_C Tribal 16-35D-48	35	040S	080W	4301351847	Indian	Indian	OW	APD
LC Tribal 13H-35-48	35	040S	080W	4301351848	Indian	Indian	OW	APD
_C Tribal 13-2D-58	11	050S	080W	4301351850	Indian	Indian	OW	APD
5-13D-36 BTR	13	0308	060W	4301351862	Indian	Fee	OW	APD
5-8D-36 BTR	8	0308	060W	4301351871	Indian	Fee	OW	APD
16-1D-36 BTR	1	0308	060W	4301351872	Indian	Fee	ow	APD
3-18D-46 BTR	18	040S	060W	4301351897	Indian	Fee	OW	APD
_C Tribal 5-36D-46	36	0408	060W	4301351905	Indian	Indian	OW	APD
LC Tribal 5-26D-45	26	040S	050W	4301351907	Indian	Indian	OW	APD
14-13D-45 BTR	13	040S	050W	4301351974	Indian	Indian	OW	APD
14-34D-46 DLB	34	040S	060W	4301351975	Indian	Fee	OW	APD
LC Tribal 5-21D-45	21	0408	050W	4301352001	Indian	Indian	OW	APD
_C Tribal 8-22D-45	22	0408	050W	4301352002	Indian	Indian	OW	APD
_C Tribal 8-25D-45	25	0408	050W	4301352007	Indian	Indian	OW	APD
LC Tribal 16-25D-45	25	040S	050W	4301352008	Indian	Indian	OW	APD
LC Tribal 16-22D-45	22	040S	050W	4301352009	Indian	Indian	OW	APD
LC Tribal 16-26D-45	26	040S	050W	4301352010	Indian	Indian	OW	APD
LC Tribal 14-31D-37	31	0308	070W	4301352016	Indian	Fee	OW	APD
5-12D-45 BTR	12	040S	050W	4301352030	Indian	Indian	ow	APD
LC Tribal 9-20D-45	20	040S	050W	4301352031	Indian	Indian	OW	APD
LC Tribal 13-35D-47	35	0408	070W	4301352055	Indian	Indian	ow	APD
C Tribal 1-23D-47	23	040S	070W	4301352057	Indian	Indian	ow =	APD
9-17D-46 BTR	17	040S	060W	4301352059	Indian	Indian	OW	APD
11-18D-46 BTR	18	040S	060W	4301352060	Indian	Indian	OW	APD
9-10D-47 BTR	10	040S	070W	4301352092	Indian	Fee	OW	APD
LC Tribal 1-17D-47	17	0408	070W	4301352096	Indian	Fee	OW	APD
7-35D-37 BTR	35	0308	070W	4301352115	Indian	Fee	OW	APD
14-25D-37 BTR	25	0308	070W	4301352116	Indian	Fee	OW	APD

LC Tribal 5-25-46	25	040S	060W	4301352126	Indian	Indian	OW	APD
8-33D-35 BTR	33	030S	050W	4301352161	Indian	Fee	OW	APD
5-4D-36 BTR	4	030S	060W	4301352175	Indian	Fee	OW	APD
'-4D-36 BTR	4	030S	060W	4301352176	Indian	Fee	OW	APD
C Tribal 4-36D-47	36	040S	070W	4301352186	Indian	Indian	OW	APD
.C Tribal 4-22D-46	22	040S	060W	4301352944	Indian	Indian	OW	APD
.C Tribal 16-22D-46	22	040S	060W	4301352945	Indian	Indian	OW	APD
.C Tribal 11-19D-46	19	040S	060W	4301352946	Indian	Indian	OW	APD
.C Tribal 7-20D-45	20	040S	050W	4301352947	Indian	Indian	OW	APD
5-11D-35 BTR	11	030S	050W	4301353056	Indian	Fee	OW	APD
3-11D-35 BTR	11	030S	050W	4301353057	Indian	Fee	OW	APD
3TR 16-36D-37	36	030S	070W	4301353059	Indian	Fee	OW	APD
I-29D-35 BTR	30	030S	050W	4301353060	Indian	Fee	ow	APD
-30D-35 BTR	30	030S	050W	4301353061	Fee	Fee	OW	APD
C TRIBAL 3-23D-46	23	040S	060W	4301353066	Indian	State	ow	APD
C Tribal 14-23D-46	23	040S	060W	4301353067	Indian	State	OW	APD
.C Tribal 13-25D-46	25	040S	060W	4301353068	Indian	Indian	OW	APD
C Tribal 14-26D-46	26	040S	060W	4301353069	Indian	State	OW	APD
C Tribal 5-26D-46	26	040S	060W	4301353070	Indian	State	OW	APD
C Tribal 11-35D-45	35	040S	050W	4301353071	Indian	State	OW	APD
C Tribal 7-35D-45	35	040S	050W	4301353072	Indian	State	OW	APD
C Tribal 3-35D-45	35	040S	050W	4301353075	Indian	State	OW	APD
C Tribal 14-36D-45	36	040S	050W	4301353076	Indian	State	OW	APD
C Tribal 13-36D-45	36	040S	050W	4301353077	Indian	State	OW	APD
C Tribal 10-36D-45	36	040S	050W	4301353078	Indian	State	OW	APD
.C Tribal 8-36D-45	36	040S	050W	4301353079	Indian	State	OW	APD
.C Tribal 6-36D-45	36	040S	050W	4301353080	Indian	State	OW	APD
.C Tribal 1-34D-46	34	040S	060W	4301353081	Indian	State	OW	APD
.C Tribal 9-27D-46	27	040S	060W	4301353082	Indian	State	OW	APD
.C Tribal 13-35D-45	35	040S	050W	4301353083	Indian	State	OW	APD
C Tribal 8-35D-45	35	040S	050W	4301353084	Indian	State	OW	APD
.C Tribal 15-35D-45	35	040S	050W	4301353085	Indian	State	OW	APD
C Tribal 12-25D-45	25	040S	050W	4301353122	Indian	Indian	OW	APD
C Tribal 14-25D-45	25	040S	050W	4301353123	Indian	Indian	OW	APD
C Tribal 10-25D-45	25	040S	050W	4301353124	Indian	Indian	ow	APD
C Tribal 11-26-45	26	040S	050W	4301353125	Indian	Indian	OW	APD
C Tribal 13-26D-45	26	040S	050W	4301353126	Indian	Indian	OW	APD
C Tribal 7-31D-46	31	040S	060W	4301353127	Indian	Indian	OW	APD
.C Tribal 7-19D-45	19	040S	050W	4301353128	Indian	Indian	OW	APD
.C Tribal 5-19D-45	19	040S	050W	4301353130	Indian	Indian	OW	APD
.C Tribal 7-25D-46	25	040S	060W	4301353132	Indian	Indian	OW	APD

	15.	1							
_C Tribal 7-24D-46	24	0408	060W	4301353134		Indian	Indian	OW	APD
.C Tribal 14-31D-46	31	040S	060W	4301353135		Indian	Indian	OW	APD
C Tribal 14-30D-46	30	040S	060W	4301353136		Indian	Indian	OW	APD
13-4-35 BTR SWD	4	030S	050W	4301353293		Fee	Fee	OW	APD
.C FEE 14-26D-47	26	040S	070W	4301353294	1	Fee	Indian	OW	APD
C Fee 5-25D-47	25	040S	070W	4301353295		Fee	Indian	OW	APD
7-35-46 LC SWD	35	040S	060W	4301353296		Fee	Fee	OW	APD
.C Fee 1H-33-47	32	040S	070 W	4301353309		Fee	Indian	ow	APD
_C FEE 14-2D-58	2	050S	W080	4301353312		Fee	Indian	OW	APD
C FEE 13H-21-47	21	040S	070W	4301353313		Fee	Indian	OW	APD
C Fee 16-21D-47	21	040S	070W	4301353326		Fee	Indian	OW	APD
6-7D-46 BTR	7	040S	060W	4301353328		Fee	Indian	OW	APD
C Fee 15-26D-47	26	040S	070W	4301353331		Fee	Indian	OW	APD
.C Fee 4-24D-47	23	040S	070W	4301353332		Fee	Indian	OW	APD
.C Fee 5-34D-47	34	040S	070W	4301353333		Fee	Indian	OW	APD
.C Fee 5-35D-47	35	040S	070W	4301353334	:	Fee	Indian	OW	APD
3-34D-47 LC Fee	34	040S	070W	4301353337		Fee	Indian	OW	APD
4-35D-35 BTR	35	030S	050W	4301352120		Fee	Fee	OW	DRL
-17D-46 BTR	17	040S	060W	4301351078		Indian	Indian	OW	OPS
-34D-35 BTR	34	030S	050W	4301351187		Indian	Fee	OW	OPS
5-10D-45 BTR	10	040S	050W	4301351221		Indian	Indian	OW	OPS
-3D-45 BTR	3	040S	050W	4301351810		Indian	Indian	OW	OPS
-34D-35 BTR	34	030S	050W	4301352117		Fee	Fee	OW	OPS
-35D-35 BTR	35	030S	050W	4301352118		Fee	Fee	OW	OPS
-2D-46 BTR	2	040S	060W	4301353086		Indian	Fee	OW	OPS
'-21-46 DLB	21	040S	060W	4301333567	16526	Indian	Indian	OW	P
.C TRIBAL 1H-27-46	27	040S	060W	4301333568	18175	Indian	Fee	GW	P
'-29-46 DLB	29	040S	060W	4301333584	17603	Indian	Fee	GW	P
C TRIBAL 12H-28-46	28	0408	060W	4301333631	18132	Indian	Indian	GW	P
.C TRIBAL 13H-21-46	21	0408	060W	4301333632	18107	Indian	Indian	GW	 P
2-36-36 BTR	36	030S	060W	4301333638	16336	Indian	Fee	GW	P
i-5-46 BTR	5	0408	060W	4301333639	16542	Indian	Fee	OW	P
5-23-36 BTR	23	0308	060W	4301333642	16675	Indian	Fee	GW	P
4-29-36 BTR	29	0308	060W	4301333643	16725	Indian	Fee	ow	P
4-30-36 BTR	30	0308	060W	4301333644	16701	Indian	Fee	GW	<u>'</u>
'-20-46 DLB	20	040S	060W	4301333657	16584	Indian	Indian	OW	'P
.C TRIBAL 5-21D-46	21	0408	060W	4301333658	18887	Indian	Indian	OW	P
-20-46 DLB	20	0408	060W	4301333659	18750	Indian	Indian	GW	P
.C TRIBAL 13H-20-46	20	0408	060W	4301333678	17979	Indian	Indian	GW	P
14-7-46 BTR	7	0408	060W	4301333806	16890	Indian	Indian	GW	P
	1.	0.00	100011	TOO OOOOOO	10000	HIMIAII	HIGHAIL	UVV	1 1-1

1-5-45 BTR	5	040S	050W	4301333868	16931	Indian	Indian	OW	Р
5-16-36 BTR	16	030S	060W	4301333970	17195	Indian	Fee	ow	P
5-29-36 BTR	29	030S	060W	4301333972	17557	Indian	Fee	OW	P
4-30-36 BTR	30	030S	060W	4301333973	17249	Indian	Fee	OW	P
7-19-46 DLB	19	040S	060W	4301334004	19018	Indian	Indian	OW	Р
5-25-36 BTR	25	030S	060W	4301334021	17126	Fee	Fee	OW	P
5-4-45 BTR	4	0408	050W	4301334089	17507	Indian	Indian	oW	Р
13-2-46 BTR	2	040S	060W	4301334090	18618	Indian	Indian	ow	Р
2-3-45 BTR	3	040S	050W	4301334099	17932	Indian	Indian	OW	Р
7-6-45 BTR	6	040S	050W	4301334100	17653	Indian	Indian	OW	Р
1-9-45 BTR	9	0408	050W	4301334101	17910	Indian	Indian	OW	Р
8-10-45 BTR	10	040S	050W	4301334102	17530	Indian	Indian	ow	Р
7-17-45 BTR	17	040S	050W	4301334104	17933	Indian	Indian	OW	Р
16-7-45 BTR	7	040S	050W	4301334111	17665	Indian	Indian	OW	Р
15-18-45 BTR	18	040S	050W	4301334112	17832	Indian	Indian	ow	P
6-12-46 BTR	12	0408	060W	4301334114	17964	Indian	Indian	ow	P
5-13-46 BTR	13	040S	060W	4301334115	17833	Indian	Indian	OW	Р
16-26-36 BTR	26	030S	060W	4301334132	18028	Indian	Fee	ow	P
1-23-36 BTR	23	030S	060W	4301334136	17722	Indian	Fee	OW	Р
15-10-36 BTR	10	030S	060W	4301334277	17419	Indian	Fee	ow	Р
14-5-46 BTR	5	040S	060W	4301350307	17624	Fee	Fee	ow	Р
14X-22-46 DLB	22	040S	060W	4301350351	17604	Indian	Indian	ow	Р
16-13-36 BTR	13	030S	060W	4301350372	17853	Indian	Fee	ow	Р
5-33-46 DLB	33	040S	060W	4301350397	17765	Indian	Fee	OW	Р
5-34-46 DLB	34	040S	060W	4301350415	17801	Indian	State	GW	Р
LC FEE 12H-32-46	32	040S	060W	4301350431	18003	Fee	Fee	OW	Р
1-13D-47 BTR	13	040S	070W	4301350445	18205	Indian	Fee	OW	Р
16-8D-45 BTR	8	040S	050W	4301350466	18799	Indian	Indian	OW	Р
7-13D-46 BTR	13	040S	060W	4301350470	18076	Indian	Indian	OW	Р
14-8D-45 BTR	8	040S	050W	4301350567	18207	Indian	Indian	OW	Р
14-5D-45 BTR	5	040S	050W	4301350568	18108	Indian	Indian	OW	Р
16-31D-36 BTR	31	030S	060W	4301350573	18004	Indian	Fee	OW	P
5-7D-46 BTR	7	040S	060W	4301350574	18176	Indian	Indian	OW	Р
LC TRIBAL 13H-33-46	34	040S	060W	4301350575	18223	Indian	State	OW	Р
5-8-45 BTR	8	040S	050W	4301350607	18279	Indian	Indian	OW	Р
16-6D-45 BTR	6	040S	050W	4301350610	18177	Indian	Indian	OW	P
5-18D-45 BTR	18	040S	050W	4301350611	18300	Indian	Indian	OW	Р
7-26-37 BTR	26	030\$	070W	4301350641	18131	Indian	Fee	OW	Р
3-11D-36 BTR	11	030S	060W	4301350642	18299	Indian	Fee	OW	Р
16-1D-46 BTR	1	040S	060W	4301350675	18525	Indian	Indian	ow	Р
14-3-45 BTR	3	040S	050W	4301350676	18363	Indian	Indian	ow	Р

4-17D-45 BTR	17	040S	050W	4301350687	18517	Indian	Indian	OW	Р
5-6D-45 BTR	6	040S	050W	4301350688	18726	Indian	Indian	OW	Р
7-7D-45 BTR	7	040S	050W	4301350689	18380	Indian	Indian	OW	P
14-10D-45 BTR	10	040S	050W	4301350754	18447	Indian	Indian	OW	P
14-9D-45 BTR	9	040S	050W	4301350755	18379	Indian	Indian	OW	P
13-16D-36 BTR	16	030S	060W	4301350757	18206	Indian	State	OW	Р
5-9D-36 BTR	9	030S	060W	4301350843	18381	Indian	Fee	ow	P
16-5D-46 BTR	5	040S	060W	4301350844	18280	Fee	Fee	OW	Р
5-27D-37 BTR	27	030S	070W	4301350847	18526	Indian	Fee	OW	Р
7-4D-45 BTR	4	040S	050W	4301350884	18562	Indian	Indian	OW	Р
2-16D-45 BTR	16	040S	050W	4301350899	18619	Indian	Indian	OW	P
16-10D-45 BTR	10	040S	050W	4301350902	18725	Indian	Indian	OW	P
5-2D-36 BTR	2	030S	060W	4301350913	18886	Indian	Fee	OW	Р
13H-27-36 BTR	27	030S	060W	4301350918	18445	Indian	State	OW	P
8-16D-46 BTR	16	040S	060W	4301350953	19027	Indian	Indian	OW	Р
16-16D-46 BTR	16	040S	060W	4301350956	19028	Indian	Indian	OW	P
16-9D-45 BTR	9	040S	050W	4301350962	18662	Indian	Indian	OW	Р
14-31D-36 BTR	31	030S	060W	4301350973	18524	Indian	Fee	OW	Р
5-10D-36 BTR	10	030S	060W	4301350978	18989	Indian	Fee	OW	Р
1-32D-36 BTR	32	030S	060W	4301350979	18648	Indian	Fee	OW	P
16-12D-36 BTR	12	030S	060W	4301350980	18748	Indian	Fee	ow	Р
2-18D-45 BTR	18	040S	050W	4301350991	18776	Indian	Indian	OW	P
3-1-46 BTR	1	040S	060W	4301351017	18777	Indian	Fee	ow	Р
10-5-45 BTR	5	040S	050W	4301351062	18724	Indian	Indian	OW	Р
12-4D-45 BTR	4	040S	050W	4301351063	18813	Indian	Indian	ow	Р
1-10D-45 BTR	10	040S	050W	4301351064	18966	Indian	Indian	ow	Р
16-2D-46 BTR	2	040S	060W	4301351079	18830	Indian	Indian	OW	Р
9H-4-45 BTR	4	040S	050W	4301351092	18814	Indian	Indian	OW	Р
12-17-45 BTR	17	040S	050W	4301351097	18984	Indian	Indian	OW	Р
5-9D-46 BTR	9	040S	060W	4301351109	19313	Indian	Fee	OW	Р
14-9D-36 BTR	9	030S	060W	4301351144	19004	Indian	Fee	OW	Р
5-31D-36 BTR	31	030S	060W	4301351146	18691	Indian	Fee	ow	Р
4-9D-45 BTR	9	040S	050W	4301351157	18883	Indian	Indian	OW	Р
8-12D-46 BTR	12	040S	060W	4301351159	18911	Indian	Indian	OW	Р
LC TRIBAL 16-23D-47	23	040S	070W	4301351180	18617	Indian	Indian	OW	Р
14-7D-45 BTR	7	040S	050W	4301351222	18949	Indian	Indian	OW	Р
5-16D-45 BTR	16	040S	050W	4301351223	18987	Indian	Indian	OW	P
4-5D-45 BTR	5	040S	050W	4301351242	18882	Indian	Indian	OW	P
LC TRIBAL 16H-19-45	19	040S	050W	4301351278	18627	Indian	Indian	OW	Р
LC TRIBAL 13-19D-45	19	040S	050W	4301351280	18628	Indian	Indian	OW	Р
LC TRIBAL 5-30D-45	30	040S	050W	4301351281	19448	Indian	Indian	ow	Р

LC TRIBAL 15-24D-46	24	040S	060W	4301351283	18626	Indian	Indian	OW	Р
LC TRIBAL 13H-24-46	19	040S	050W	4301351289	18629	Indian	Indian	ow	P
7-16-47 BTR	16	040S	070W	4301351296	18950	Indian	Fee	ow	P
14-18D-45 BTR	18	040S	050W	4301351313	19005	Indian	Indian	ow	Р
LC TRIBAL 16-30D-46	30	040S	060W	4301351320	19006	Indian	Indian	OW	Р
LC TRIBAL 5-20D-45	20	040S	050W	4301351331	19449	Indian	Indian	OW	Р
11-8D-46 BTR	8	040\$	060W	4301351336	19314	Indian	Indian	OW	Р
5-7D-45 BTR	7	040S	050W	4301351350	18951	Indian	Indian	OW	Р
7-5-35 BTR	5	0308	050W	4301351599	19078	Indian	Fee	OW	Р
13-5D-35 BTR	5	030S	050W	4301351600	18996	Indian	Fee	OW	Р
11-5D-35 BTR	5	030S	050W	4301351601	19061	Fee	Fee	OW	Р
15-5D-35 BTR	5	030S	050W	4301351602	19062	Fee	Fee	OW	Р
9-5D-35 BTR	5	030S	050W	4301351609	19029	Indian	Fee	OW	Р
3-5D-35 BTR	5	030S	050W	4301351638	19079	Indian	Fee	OW	Р
7-8-46 BTR	8	040S	060W	4301351702	19315	Indian	Indian	OW	P
7-30-46 DLB	30	040S	060W	4301351703	18997	Fee	Indian	OW	Р
3-13D-46 BTR	13	040S	060W	4301351718	18881	Indian	Indian	OW	Р
2-13D-46 BTR	13	040S	060W	4301351719	18885	Indian	Indian	OW	Р
12-12D-46 BTR	12	040S	060W	4301351720	18867	Indian	Indian	OW	∱P
10-12D-46 BTR	12	040S	060W	4301351721	18856	Indian	Indian	OW	P
11-11D-47 BTR	11	040S	070W	4301352091	19633	Fee	Fee	OW	Р
7-12D-47 BTR	12	040S	070W	4301352094	19600	Indian	Fee	ow	Р
5-12D-47 BTR	12	040S	070W	4301352095	19634	Indian	Fee	ow	Р
14-33D-35 BTR	33	030S	050W	4301352162	19450	Indian	Fee	OW	Р
16-33D-35 BTR	33	030S	050W	4301352163	19451	Indian	Fee	OW	Р
14-22-46 DLB	22	040S	060W	4301333660	17604	Indian	Indian	D	PA
13H-31-36 BTR	31	0308	060W	4301350465	18485	Indian	Fee	OW	PA
16X-23D-36 BTR	23	030S	060W	4301350623	18007	Indian	State	OW	PA
8-6-45 BTR	6	040S	050W	4301350900	18561	Indian	Indian	OW	PA
13-13-36 BTR	13	030S	060W	4301350919	18364	Indian	Fee	OW	PA
7-28-46 DLB	28	040S	060W	4301333569	16460	Indian	Indian	OW	S
5-21-36 BTR	21	030S	060W	4301333641	16674	Indian	Fee	GW	S
13-26-36 BTR	26	030S	060W	4301333980	17569	Indian	Fee	OW	S
14-1-46 BTR	1	040S	060W	4301334113	18516	Indian	Indian	OW	S
16-21-36 BTR	21	030S	060W	4301334130	17721	Indian	Fee	OW	S
14-21-36 BTR	21	030S	060W	4301334131	18006	Indian	Fee	OW	S
7-16-36 BTR	16	030\$	060W	4301334133	17834	Indian	Fee	OW	S
1-30-36 BTR	30	0308	060W	4301334134	17905	Indian	Fee	ow	S
16-30-36 BTR	30	0308	060W	4301334135	18005	Indian	Fee	OW	S
3-23-36 BTR	23	030\$	060W	4301334137	17860	Indian	Fee	OW	S
16-16-36 BTR	16	030S	060W	4301334138	17666	Indian	Fee	OW	S

4-26-36 BTR	26	030S	060W	4301334139	17620	Fee	Fee	OW	S
9-11-36 BTR	11	030S	060W	4301334276	17451	Indian	Fee	OW	S
3-36-36 BTR	36	030S	060W	4301350398	17955	Indian	Fee	OW	S
7-10-36 BTR	10	030S	060W	4301350437	18052	Indian	Fee	OW	S
16-12D-46 BTR	12	040S	060W	4301350467	18051	Indian	Indian	OW	S
13H-13-46 BTR	13	040S	060W	4301350468	18208	Indian	Indian	OW	S
13-12-46 BTR	12	040S	060W	4301350469	18233	Indian	Indian	OW	S
14-8D-36 BTR	8	030S	060W	4301350612	18163	Indian	Fee	OW	S
14-7D-36 BTR	7	030S	060W	4301350613	18330	Indian	Fee	ow	S
16-9-36 BTR	9	0308	060W	4301350645	18078	Indian	Fee	OW	S
7-27-37 BTR	27	030S	070W	4301350647	18090	Indian	Fee	OW	S
16-12D-37 BTR	12	030S	070W	4301350785	18446	Indian	Fee	OW	S
14-21D-37 BTR	21	030S	070W	4301350859	18548	Indian	Fee	OW	S
10-18D-36 BTR	18	030S	060W	4301350915	18884	Indian	Fee	OW	S
5-27D - 36	27	030S	060W	4301350917	18482	Indian	State	ow	S
10-36D-36 BTR	36	030S	060W	4301351005	18523	Indian	Fee	OW	S
14-6D-45 BTR	6	040S	050W	4301351158	18967	Indian	Indian	ow	S
5H-1-46 BTR UTELAND BUTTE	6	040S	050W	4301351215	18728	Indian	Indian	OW	S
5H-1-46 BTR WASATCH	6	040S	050W	4301351216	18727	Indian	Indian	OW	S
1-25D-36 BTR	25	030S	060W	4301351294	18798	Indian	Fee	OW	S
5-5D-35 BTR	5	030S	050W	4301351605	19055	Indian	Fee	OW	S
16-23-36 BTR	23	030S	060W	4301333971	17182	Indian	Fee	OW	TA
LC TRIBAL 14-23D-47	23	040S	070W	4301334022	18616	Indian	Indian	OW	TA
5-32D-36 BTR	32	030S	060W	4301350756	18328	Indian	Fee	OW	TA



October 20, 2016

RECEIVED

OCT 21 2016

Re: Bill Barrett Corporation Transfer to New Operator

DIV. OF OIL, GAS & MINING

Dear Ms. Medina:

Attached please find the change of operation Form 9, Form 5's and Request to Transfer APD formchanging the operator from Bill Barrett Corporation to RIG II, LLC, effective 11/1/2016. Badlands Energy – Utah, LLC will be a sub-operator.

New Operator Contact information:

RIG II, LLC 1582 West 2600 South Woods Cross, Utah 84087-0298 Telephone:(801) 683-4245 Fax:(801) 298-9889

Upon reviewing the attached, please contact myself with any questions at 303-312-8115.

Sincerely,

Bill Barrett Corporation

Brady Riley Permit Analyst

STATE OF UTAH FORM 9 **DEPARTMENT OF NATURAL RESOURCES** 5. LEASE DESIGNATION AND SERIAL NUMBER: DIVISION OF OIL, GAS AND MINING (see attached well list) 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: SUNDRY NOTICES AND REPORTS ON WELLS N/A 7, UNIT or CA AGREEMENT NAME: Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. 1. TYPE OF WELL 8. WELL NAME and NUMBER OIL WELL 🔽 GAS WELL (see attached well list) 2. NAME OF OPERATOR: 9. API NUMBER RIG II, LLC 3. ADDRESS OF OPERATOR PHONE NUMBER: 10. FIELD AND POOL, OR WILDCAT: 1582 West 2600 South (801) 683-4245 STATE UT ZIP 84087 Wood Cross 4. LOCATION OF WELL FOOTAGES AT SURFACE: (see attached well list) COUNTY: QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: STATE: UTAH CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA 11. TYPE OF SUBMISSION TYPE OF ACTION ACIDIZE REPERFORATE CURRENT FORMATION NOTICE OF INTENT (Submit in Duplicate) ALTER CASING FRACTURE TREAT SIDETRACK TO REPAIR WELL Approximate date work will start; CASING REPAIR **NEW CONSTRUCTION** TEMPORARILY ABANDON 11/1/2016 CHANGE TO PREVIOUS PLANS OPERATOR CHANGE TUBING REPAIR CHANGE TUBING PLUG AND ABANDON VENT OR FLARE SUBSEQUENT REPORT CHANGE WELL NAME PLUG BACK WATER DISPOSÁL (Submit Original Form Only) CHANGE WELL STATUS PRODUCTION (START/RESUME) WATER SHUT-OFF Date of work completion: COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE OTHER: CONVERT WELL TYPE **RECOMPLETE - DIFFERENT FORMATION** 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. RIG II, LLC IS SUBMITTING THIS SUNDRY AS NOTIFICATION THAT THE WELLS LISTED ON THE ATTACHED LIST HAVE BEEN SOLD TO-Rig II, LLC BY BILL BILL BARRETT CORPORATION EFFECTIVE 11/1/2016. PLEASE REFER ALL FUTURE CORRESPONDENCE TO THE ADDRESS BELOW. RIG II, LLC 1582 West 2600 South Woods Cross, Utah 84087-0298 801-683-4245 (STATE/FEE BOND # 9219529/ BLM BOND # UTB000712/ BIA BOND # LPM9224670) BILL BARRETT CORPORATION NOILS RIG II, LLC MAME (PLEASE PRINT) _ NAME (PLEASE PRINT) SIGNATURE SIGNATURE EH&S, Government and Regulatory Affairs Jesse McSwain Manager NAME (PLEASE PRINT) 1012016

APPROVED

NOV 0 7 2016

(This space for State use only)

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

Request to Transfer Application or Permit to Drill

Well name:		(See attached lis	st)			
API number:						
Location:		Qtr-Qtr:	Section:	Township: Range:		
Company that	filed original application:	Bill Barrett Corpo	oration			
Date original pe	ermit was issued:					
Company that	permit was issued to:	Bill Barrett Cor	poration			
			÷			
Check one		Desi	red Action:			
Transfor	pending (unapproved) App	lication for Po	rmit to Drill to no	w operator		
submitted	in the pending Application fo	or Permit to Dril	l, remains valid ar	by verifies that the information as nd does not require revision. The cedures as stated in the application	new	
✓ Transfer	approved Application for P	ermit to Drill t	o new operator			
				ermitted, hereby verifies that the remains valid and does not requir	e	
		-41441			Τ.,	Ι
	checklist of some items rela		Tilication, which s	snould be verified.	Yes	No
If located on private land, has the ownership changed?						
	the surface agreement been				1	✓
Have any wells requirements for	been drilled in the vicinity of t r this location?	he proposed w	ell which would af	fect the spacing or siting		✓
Have there beer proposed well?	າ any unit or other agreement	ts put in place t	hat could affect th	e permitting or operation of this		✓
Have there been proposed location		route including	ownership or righ	t-of-way, which could affect the		✓
Has the approved source of water for drilling changed?						✓
Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?						1
Is bonding still in place, which covers this proposed well? Bond No.						
13 Donaing Still II					_	rad
Any desired or r should be filed on necessary supp	on a Sundry Notice, Form 9, c orting information as required	or amended Ap	olication for Permi	n for Permit to Drill that is being tr it to Drill, Form 3, as appropriate,		rea,
Any desired or r should be filed of necessary support	on a Sundry Notice, Form 9, c	or amended Ap	Title Manager			rea,
Any desired or r should be filed of necessary support Name (please p Signature	on a Sundry Notice, Form 9, c orting information as required	or amended Ap	olication for Permi			

The person signing this form must have legal authority to represent the company or individual(s) to be listed as the new operator on the Application for Permit to Drill.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS AND MINING

•	TRAI	NSFE	R OF	AUTHORITY TO INJECT	•
Well Name and Number 6-32-36 BTR SWD		4			API Number 4301350921
Location of Well				DUQUENOE	Field or Unit Name CEDAR RIM
Footage: 1628 FNL 1553 FWL QQ, Section, Township, Range: SENW	32	3S	6W	County : DUCHENSE State : UTAH	Lease Designation and Number 2OG0005608

EFFECTIVE DATE OF TRANSFER: 11/1/2016

CURRENT OP	PERATOR	
Company:	BILL BARRETT CORPORATION	Name: Duane Zavadil
Address:	1099 18th Street Ste 2300	Signature: 2nCd
	city DENVER state CO zip 80202	Senior Vice President - Title: EH&S, Government and Regulatory Affairs
Phone:	(303) 293-9100	Date: 10 20 16
Comments	· · · · · · · · · · · · · · · · · · ·	

Address: 1582 West 2600 South Signature: Signature: Manager	Company: RIG II, LLC Name: Jesse McSwain	
10/2 . 111	1593 West 2000 Courts	R:
(004) 002 4045	city Wood Cross state UT zip 84087 Title: Manager	
Phone: (801) 683-4245 Date: 10 LC 10	Phone: (801) 683-4245 Date: 10 20 10	

(This space for State use only)

Transfer approved by:

Approval Date: ///3//L

Comments:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

	TRANSFER OF AL	JTHORITY TO INJECT	Γ
Well Name and 16-6D-46 BT			API Number 4301350781
ocation of Well		:	Field or Unit Name
Footage: 02	200 FSL 0099 FEL	County : DUCHESNE	ALTAMONT Lease Designation and Number
QQ, Section,	Township, Range: SESE 6 4S 6W	State: UTAH	20G0005608
	11/1/2016		
EFFECTIVE L	DATE OF TRANSFER: 11/1/2016		
CURRENT OP	PERATOR		
Company:	BILL BARRETT CORPORATION	Name: Duane	e Zavadil
Address:	1099 18th Street Ste 2300	Signature:	m Zinal
	city DENVER state CO zip 80202	SeniorV	ice President - Government and Regulatory Affairs
Phone:	(303) 293-9100	Date:	20/16
Comments:			
oommonto.	•		
NEW OPERAT			
VEW OF LINA	iok		
Company:	RIG II, LLC	Name: Jesse	McSwain ⁽
Address:	1582 West 2600 South	Signature:	Leve MG:
, , , , , , , , , , , , , , , , , , , ,	city Wood Cross state UT zip 84087	Title: Mana	
Phone:	(801) 683-4245	Date:	120/16
Comments:	:		
This space for S	state use only)	•	1
Transfer ap	oproved by:	Approval Date:	11/3/16
	Title: VIC		•

Comments:

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

TRANSFER OF	AUTHORITY TO INJECT
Well Name and Number SWD 9-36 BTR	API Number 4301350646
Location of Well	Field or Unit Name
Footage: 0539 FSL 0704 FEL	County : DUCHESNE CEDAR RIM Lease Designation and Number
QQ, Section, Township, Range: SESE 9 3S 6W	State: UTAH 2OG0005608
EFFECTIVE DATE OF TRANSFER: 11/1/2016	
CURRENT OPERATOR	
Company: BILL BARRETT CORPORATION	Name: Duane Zavadil
Address: 1099 18th Street Ste 2300	Signature: Volume Zwiki
city DENVER state CO zip 80202	Signature: Senior Vice President - Title: EH&S, Government and Regulatory Affairs
Phone: (303) 293-9100	Date: 10/70/14
Comments:	· · · · ·
NEW OPERATOR	
Company: RIG II, LLC	Name: Jesse McSwain
Address: 1582 West 2600 South	Signature: See WG-
city Wood Cross state UT zip 84087	Title: Manager
Phone: (801) 683-4245	Date: 1076110
Comments:	'
(This space for State use only)	
Transfer approved by:	Approval Date:
Title:	11 1.6504
Comments: This well curs of	oprived by USEPA.
Comments.	will be required.